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FARASTAR[™]

Pulsed Field Ablation Generator

R. ONLY

Federal Law (USA) restricts this device to sale by or use by on the order of a physician.

Note: The equipment documented in the Contents section (Ablation Generator and cables) is supplied non-sterile and cannot be sterilized. The equipment is intended for multi-patient reuse.

Carefully read all ancillary device instructions prior to use.

Observe all contraindications, warnings and precautions noted in these directions. Failure to do so may result in patient complications.

1. DEVICE DESCRIPTION

The FARASTAR Pulsed Field Ablation Generator (henceforth referred to as the FARASTAR PFA Generator) is a 12 channel Pulsed Electric Field Generator (PEF) unit that is used with the FARAWAVE Pulsed Field Ablation Catheter (henceforth referred to as the FARAWAVE PFA Catheter) for cardiac tissue ablation. The FARASTAR PFA Generator contains a two channel cardiac stimulator that can be used for optional synchronous energy delivery. Additional cables and components are described in this manual that enable connection of FARAWAVE PFA Catheter electrodes to a Recording or Mapping System and to diagnostic catheters that can be used for cardiac pacing.

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Voltage	
External Fuses	Two (quantity) 250VAC, 10.0A, 218 Series Glass Fuses, 5 mm diameter x 20 mm length
Power Supply Cord	See Section 13:2
IEC Compliance	IEC 60601-1 3.1 2012-08, Class I type CF defibrillation proof
Mode of Operation	Continuous
Weight	260 lbs/118 kg
 The FARASTAR PFA Generator is compatible with FARASTAR Catheter Connection Cable, EGM Ca FARASTAR Recording System Module (hencefor Cables for system connections to other Electron FARASTAR Stimulation Module Male Cablen FARASTAR Stimulation Module Female Cab FARASTAR Stimulation Module Y-Cable, Lor FARASTAR Stimulation Module Y-Cable, Short FARASTAR STIMULATION MODILE WITH MODIL	Continuous 260 lbs/118 kg ns. the following components: ble, and PARAWAVE PFA Catheter orth referred to as the FARASTAR RSM) and associated cables/modules physiology (EP) lab equipment for pacing: le ng ort n Figure 1 and are summarized in the accompanying table.

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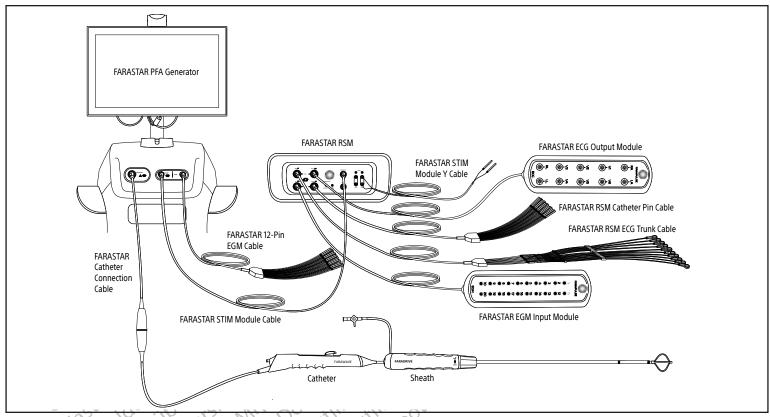


Figure 1. System Setup Diagram (Including Components)

Component Name	Location/Use	
FARASTAR PFA Generator	PFA Generator	
Catheter Components:		
FARAWAVE PFA Catheter, 31 mm	Ablation Catheter (Applied part, type CF defibrillation proof)	
FARAWAVE PFA Catheter, 35 mm	Ablation Catheter (Applied part, type CF defibrillation proof)	
FARASTAR Catheter Connection Cable	Ablation Catheter to Generator 'CATH'	
FARASTAR EGM Cable	Generator 'EGM' connector to EP Recording System for ablation catheter EGM signals (Applied part, type CF defibrillation proof)	
Recording System Module Components:		
FARASTAR RSM	Between patient and EP Recording System	
FARASTAR RSM EGM Input Module	EGM input (patient diagnostic catheters)	
FARASTAR RSM Catheter Pin Cable	EGM output to EP Recording System	
FARASTAR RSM ECG Trunk Cable*	ECG input (patient surface leads (Applied part, type CF defibrillation proof))	
FARASTAR RSM ECG Output Module	ECG output to EP Recording System	
FARASTAR Stimulation Module Cable	Generator 'STIM' to RSM' CONSOLE' conn	
FARASTAR Stimulation Module Male Cable	Connect stimulation signals in Electrophysiology Lab	
FARASTAR Stimulation Module Female Cable	Connect stimulation signals in Electrophysiology Lab	
FARASTAR Stimulation Module Y-Cable, Long	Connect stimulation signals in Electrophysiology Lab	
FARASTAR Stimulation Module Y-Cable, Short	Connect stimulation signals in Electrophysiology Lab	

^{*}The FARASTAR RSM ECG Trunk Cable also includes replaceable ECG Snap Leads (DIN Style), Cables & Sensors

1.4. Intended User

Use of the FARASTAR PFA Generator is intended for those physicians who are specialists trained in cardiac ablation procedures to treat cardiac arrhythmias in a fully-equipped electrophysiology laboratory. Device specific physician in-service training is made available by the manufacturer.

2. INTENDED USE

The FARAPULSE Pulsed Field Ablation (PFA) System is intended for the isolation of the pulmonary veins in the treatment of paroxysmal atrial fibrillation by rendering targeted cardiac tissue electrically non-conductive to prevent cardiac arrhythmia initiation or maintenance. The FARASTAR PFA Generator is part of the FARAPULSE PFA System.

3. INDICATIONS FOR USE

The FARASTAR PFA Generator when used in conjunction with the FARAWAVE PFA Catheter, is indicated for the isolation of pulmonary veins in the treatment of paroxysmal atrial fibrillation.

4. INTENDED PATIENT POPULATION

The FARAPULSE PFA System is intended for use in adult (18 ≤ age ≤ 75 years) cardiac arrhythmia patients, excluding pregnant or nursing patients, as there are no studies to support the use of the FARAPULSE PFA System in patients who are pregnant, nursing, < 18 years of age, or > 75 years of age.

5. CLINICAL BENEFIT STATEMENT

The FARASTAR PFA Generator is part of the FARAPULSE PFA System. Refer to the FARAWAVE PFA Catheter Instructions for Use for the Clinical Benefits of the FARAPULSE PFA System.

6. SUMMARY OF SAFETY AND CLINICAL PERFORMANCE

For customers in the European Union, use the device name found in the labeling to search for the device's Summary of Safety and Clinical Performance, which is available on the European database on medical devices (EUDAMED) website:

https://ec.europa.eu/tools/eudamed

7. SAFETY FEATURES

Features of the FARASTAR PFA Generator that assist with safe use are identified and described below:

Safety Feature	Description		
Ablation Start and Stop	A CONFIRM button must be pressed prior to the DELIVER button each ablation, to reduce the chances of inadvertent delivery. The CANCEL button can be pressed on the user interface of the FARASTAR PFA Generator to halt an ongoing ablation or to disable energy delivery.		
Emergency Stop button	As an additional safety feature, a mechanical Emergency Stop (E-Stop) button is provided on the generator. Engaging this button terminates energy delivery and displays a dialog box prompting the user to initiate a reset sequence.		
Output current restriction	The FARASTAR PFA Generator has a built in safety feature that monitors and limits the maximum amount of current during energy delivery.		
Pre-Ablation Pulse	The FARASTAR PFA Generator performs a pre-ablation pulse just prior to the start of an ablation output, to evaluate the deployment of the catheter. If an issue is discovered the ablation is prevented and a warning is displayed to check the catheter position.		
Time-Outs	The FARASTAR PFA Generator includes time-out intervals such that if the unit is left unattended, high-voltage present in the system will be discharged.		
Self-Tests CUMP	The FARASTAR PFA Generator includes a comprehensive power-on-self-test when first powered, as well as internal monitoring and self-tests prior to each ablation.		

8. CONTRAINDICATIONS

The FARAPULSE PFA System is contraindicated for use:

- · in patients with active systemic infection;
- in patients with a mechanical prosthetic heart valve through which the catheter must pass;
- in patients with conditions where insertion into or manipulation in the cardiac chambers is unsafe as these conditions (e.g., presence of intracardiac thrombus or myxoma, history of recent cardiac surgery with atriotomy, etc.) may increase the risk of systemic embolism or cardiac perforation;
- in patients with a bleeding disorder, or who are unable to receive heparin or an acceptable alternative to achieve adequate anticoagulation;
- in patients who have vena cava embolic protection filter devices and/or known femoral thrombus who require catheter insertion from the femoral approach;
- in patients with a contraindication to an invasive electrophysiology procedure where insertion or manipulation of a catheter in the cardiac chambers is deemed unsafe, such as but not limited to, a recent previous cardiac surgery (e.g., ventriculotomy or atriotomy, Coronary Artery Bypass Graft [CABG], PTCA/PCI/coronary stent procedure/unstable angina) and/or in patients with congenital heart disease where the underlying abnormality increases the risk of the ablation (e.g. severe rotational anomalies of the heart or great vessels);
- via transseptal approach in patients with an intra-atrial baffle or a foramen ovale patch.

9. WARNINGS

- To avoid the risk of electric shock, the FARASTAR PFA Generator must always be connected to a supply mains with protective earth.
- The Equipotential ground provides a direct connection between the chassis of the FARASTAR PFA Generator and the equalization bus of the electrical installation. It is not a protective earth connection point.
- The conductive parts of electrodes and associated connectors for system applied parts, including the neutral electrode, should not come into contact with any other conductive parts including earth ground. Electric shock can occur if this happens.
- The FARASTAR PFA Generator must only be used with equipment and accessories listed in this manual or patient injury or death may occur.
- Use of the FARASTAR PFA Generator with devices other than the FARAWAVE PFA Catheter can lead to unexpected energy delivery resulting in either insufficient ablation treatment or overdelivery of energy leading to possible patient hazardous events such as thrombus formation, tissue damage, etc.
- Use only with equipment and cabling that are listed in this manual or tested during installation of the equipment. Use with untested equipment or cables could result in increased EM emission or decreased EM immunity.
- Before using, inspect the FARASTAR PFA Generator for any defects or physical damage. Do not use defective or damaged devices. Replace damaged equipment if necessary. No modification of this equipment is allowed.
- The FARASTAR PFA Generator must be installed by a qualified/trained Boston Scientific representative. For assistance with installation, please contact your local Boston Scientific representative or Technical Support.
- Cardiac mapping and ablation procedures should be performed only by physicians thoroughly trained in invasive cardiology, in the techniques of mapping and ablation, and in the specific
 approach to be used, in a fully-equipped electrophysiology lab.
- The FARASTAR PFA Generator User's Manual is a fundamental part of the FARASTAR PFA Generator and should accompany it at all times. Users must refer to this manual for correct and complete information on the use of the FARASTAR PFA Generator.
- The FARASTAR RSM includes its own User's Manual. See this manual for specifics regarding the usage of the FARASTAR RSM.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of this
 equipment, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result in patient or user harm.
- The FARASTAR PFA Generator internally produces voltages that are high enough to be potentially fatal. There are no user serviceable parts in the FARASTAR PFA Generator and it should not be opened. Maintenance should only be carried out by trained authorized personnel. Do not attempt to service the FARASTAR PFA Generator while in use with a patient.
- Cardiac ablation has the potential of causing unintended myocardial injury. Clinical indications of myocardial ischemia should be closely monitored during the procedure (e.g., ECG changes).
- The FARAWAVE PFA Catheter has not been studied clinically in the mitral isthmus or cavotricuspid isthmus areas. Ablations in areas adjacent to coronary arteries may lead to coronary artery spasm and/or injury may occur, and the resulting myocardial injury can be fatal.
- Direct patient contact should be avoided during ablation delivery as this may result in a mild electrical sensation and/or electric shock to the user.
- Do not touch the FARASTAR PFA Generator console and the patient simultaneously as this may cause excessive leakage currents on the patient which could lead to arrhythmias.
- Ensure that any additional equipment used with the FARAPULSE PFA System has been certified to IEC 60601-1. Use of non-certified equipment can increase the risk of patient harm due to failure of protective isolation barriers that could place hazardous voltages on the patient or operator or cause excessive leakage currents that may increase the risk of cardiac arrhythmias.

- Do not use a power bar or extension cord when connecting the FARASTAR PFA Generator and accessories (FARASTAR RSM) to the hospital AC source as this could cause an increase in leakage currents.
- Ensure the FARASTAR PFA Generator and FARASTAR RSM are plugged into separate AC mains connections. Do not use a power strip to connect any combination of FARASTAR PFA Generator or FARASTAR RSM together to an AC mains supply as doing this could cause an increase in leakage currents.
- Ensure that equipment is used at 100V/50Hz—240V/60Hz.
- Ablation with the FARASTAR PFA Generator may result in Ventricular Fibrillation. It is essential that a cardiac defibrillator with paddles or patches connected is readily available in the procedure room for use if Ventricular Fibrillation is noted subsequent to ablation.
- The FARASTAR stimulator outputs are primarily used to synchronize energy delivery and are not meant to replace the functions of the primary cardiac stimulator used by the Electrophysiology Lab, delay in arrhythmia treatment and/or arrhythmia may occur. Always have external sources of pacing and defibrillation available during ablation.
- Catheter electrodes are subjected to potentially harmful electrical energy. During preparation of the system do not deliver energy. If the user comes into contact with the catheter electrodes during delivery, electric shock can occur.
- Warnings for patients with implantable pacemakers and Implantable Cardioverter/Defibrillators (ICDs):
 - Pacemakers, implantable cardioverter/defibrillators, and leads can be adversely affected by ablation energy. It is important to refer to the device manufacturer's instruction for use prior to performing ablation procedures.
 - Do not apply ablation energy directly to a lead or to tissue immediately in contact with a lead because it could potentially damage the lead or lead function.
 - Temporarily reprogram the pacemaker per the manufacturer quidelines during ablation to a non-tracking pacing mode if pacing is likely to be required during the ablation. The pacemaker could be damaged by the ablation procedure. Interrogate the device fully after the ablation per the manufacturer guidelines and reprogram to preoperative sensing and
 - Deactivate ICDs as they could discharge and injure the patient or be damaged by the ablation procedure.
 - Have temporary external sources of pacing and defibrillation available.
 - Perform a complete analysis of the implanted device function after ablation.
 - Fluoroscopic or appropriate imaging guidance and care must be taken during catheter advancement, manipulation, and withdrawal to avoid lead dislodgement.
 - Monitor pre- and post-measurements for sensing and pacing thresholds and impedances to determine the integrity of the lead-patient function.
 - Remember to reactivate the pulse generator after turning off the ablation equipment.

10. PRECAUTIONS

- Ensure prior to use that the FARASTAR PFA Generator is connected to the proper mains power supply.
- This equipment is intended for use in hospitals except near active High Frequency (HF) surgical equipment or Radiofrequency (RF) shielded room of a Medical Electrical (ME) system for Magnetic Resonance Imaging (MRI) where the intensity of Electromagnetic Interference (EMI) is high.
- The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A).
- Perform pulsed field ablation procedures only within environmental parameters as outlined in section 12.2.
- It is the user's responsibility to ensure that the equipment used with the system meets all local applicable electrical safety standards.
- Use of this equipment adjacent to or stacked with other equipment should be avoided as it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.
- For purpose of disconnection, the mains connection is on the back of the console.
- Do not connect any device to the fiber optic port.
- Do not use the FARASTAR PFA Generator if a malfunction is suspected. Contact the manufacturer if a malfunction is suspected.
- Do not use the FARASTAR PFA Generator in oxygen rich environment or in the presence of flammable gases or explosive gas mixtures.
- Ensure that the mains power supply cord is not damaged before plugging it into an electrical mains power supply. Replace the power supply cord if any damage is noticed.
- In the event of an external defibrillation pulse is delivered to the patient, the FARASTAR PFA Generator may become unresponsive and will require a reboot of the system.
- Avoid intentional or accidental liquid spills on the FARASTAR PFA Generator. Do not place cups or containers of liquid on the generator. Do not handle the generator with wet hands or
- Store the FARASTAR PFA Generator away from direct sunlight, heat sources or dust. Do not expose the LCD display of the generator to direct sunlight for long time periods.
- Ensure that the vents on the back of the generator are unobstructed.
- Avoid moving the generator when powered on. During transport, avoid jarring the device.
- Do not scratch the LCD display of the FARASTAR PFA Generator.

- Clean the FARASTAR PFA Generator and the FARASTAR RSM by wiping down surfaces with a towel damped with water only.
 Do not position the FARASTAR PFA Generator in such a manner that it is difficult to access the surface.
- To maintain system isolation, only Classified Medical Electrical Equipment may be connected to the FARAPULSE PFA System.
- The FARASTAR RSM must be used to pass ECG and/or EGM signals to the EP Recording System, during use of the FARAPULSE PFA System, to avoid potentially damaging the EP Recording System components.
- Disconnect all patient inputs from the Mapping System prior to pulsed field ablation. Leaving patient inputs connected during pulsed field ablation delivery may damage the Mapping

Note: If available, accessories which automatically disconnect patient inputs prior to pulsed field ablation may be utilized.

11. ADVERSE EVENTS

Any potential clinical complications are in large part expected to be related to the accessories and/or therapeutic catheter that are used with the generator, rather than the generator itself. In order to identify potential adverse events, the user is instructed to read the pertinent instructions for use associated with the catheters and accessories that will be employed during the ablation procedure

Potential adverse events associated with use of the FARASTAR PFA Generator include, but are not limited to:

- Pain or discomfort, for example:
 - Angina
 - Chest pain
 - Non-cardiovascular pain
- Cardiac arrest
- Death
- Electric shock
- Hypotension
- Infection/inflammation/exposure to biohazardous material
- Procedural related side effects, for example:
 - Allergic reaction (including anaphylaxis)
 - Genitourinary complication
 - Side effects related to medication or anesthesia
 - Radiation injury/tissue burn

 - · Vasovagal response
 - · Fluid volume overload
- Respiratory distress/insufficiency/dyspnea
- Arrhythmia (new or exacerbated)
- arrhythmia (new or exacerbated)
 Conduction pathway injury (heart block, nodal injury, etc.)
 erve injury, for example:
 Phrenic nerve injury
 Vagal nerve injury
 trointestinal disorders
 sel trauma, including:
 erforation
 ssection Rediling Asserting Weinschieber
- Nerve injury, for example:
- Gastrointestinal disorders

- Edning retain Municourth Abudino Hole ite.

- Hemothorax
 Cardiac trauma, for example:

 Cardiac perforation/cardiac tamponade/pericardial effusion

 Valvular damage

 Stiff left atrial syndrome
 njury related to tissue damage and/or adjacent strr

 Esophageal injury
 Pulmonary injury

 "atheter entrapment"
 ical traum ...action/cardiac tamponade/pericardial effusion
 valvular damage
 • Stiff left atrial syndrome
 • Injury related to tissue damage and/or adjacent structures, for example:
 • Esophageal injury
 • Pulmonary injury
 • Catheter entrapment
 Physical trauma/laceration
 Fistula, for example:
 • Atrio-esc Liault verzio. Ne nasznalla! e. Niet gebruiken.
 Dit is een verouderde zual ivvo hr. ivoc
 Dit is een verouderde zual ivvo Pasenusi Versija. Nenaudokite. Elavilt Verzio. Ne hasznalia!
- - · Atrio-esophageal fistula
 - · Bronchopericardial fistula
- · PV stenosis and its symptoms, for example:
 - Cough

 - Hemoptysis
- Thrombus/thrombosis
- · Muscle spasm
- Versão obsoleta. Não Utilize. Injury due to embolism/thromboembolism/air embolism/foreign body embolism
 - Cerebrovascular Accident (CVA)/stroke
 - Transient Ischemia Attack (TIA)
- - Pulmonary embolism
 - · Asymptomatic cerebral embolism

embolism/foreign body embolism

...ni/stroke
...nia Attack (TIA)
...yocardial infarction

Neurological impairment and its symptoms, for example:

• Cognitive changes, visual disturbances, headache, motor impairment, sensory impairment, and speech impairment

Pulmonary embolism

Asymptomatic cerebral embolism

tential adverse events may be related to the PFA generator, ablation catheter(s), and/or the intervening and may result in prolonged procedure time and/or additional medical and/or surming in death. The potential adverse events may be related to the PFA generator, ablation catheter(s), and/or the interventional procedure. The severity and/or the frequency of these potential adverse events may vary and may result in prolonged procedure time and/or additional medical and/or surgical intervention, implantation of a permanent device such as a pacemaker, and in rare cases, may result in death.

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12. HOW SUPPLIED

The FARASTAR PFA Generator and components are packaged together and provided as listed in the Contents section.

12.1. Device Details

Do not use if any packages are damaged or unintentionally opened before use. Do not use if labeling is incomplete or illegible.

12.2. Handling and Storage

Do not use if the FARASTAR PFA Generator is exposed to environmental conditions outside of the following ranges:

Operating Conditions

Temperature: 15 °C to 30 °C
Relative Humidity: 30% to 75% **Transport and Storage Conditions**Temperature: -30 °C to 60 °C
Relative Humidity: 15% to 90%

12.3. Service Life

3 years.

13. OPERATIONAL INSTRUCTIONS

13.1. System Location

The FARASTAR PFA Generator must be installed and operated in an environment that conforms to the Operating Conditions specified in Section 12.2. It must be placed on a rigid, stable surface that is capable of supporting the FARASTAR PFA Generator's weight.

It is very important that all ventilation outlets on the unit are at least 5 cm from a solid surface. Ensure there are no objects occluding the ventilation outlets while the system is powered on. Position the FARASTAR PFA Generator in the electrophysiology lab, ensuring that the mains power switch and mains Power Supply Cord remain accessible.

13.2. Power Supply Cord

The FARASTAR PFA Generator Power Supply Cord supplies AC electricity to the FARASTAR PFA Generator. It is required for generator operation.

The Power Supply Cord connects to the FARASTAR PFA Generator at the designated inlet on the rear of the FARASTAR PFA Generator. The other end connects to a standard source of line power (wall outlet).

The following Power Supply Cord models are designed for use with the FARASTAR PFA Generator.

Model Number	Geography	Overall Length
M004FP6210 (0) (1)	European Union (EU)	2.5 m
M004FP6220	Italy No 110	2.5 m
M004FP6230	Australia / New Zealand	2.5 m
M004FP6240	North America	3.05 m
M004FP6250	Japan	2.5 m
M004FP6260	Switzerland	2.5 m
M004FP6270	United Kingdom (UK) / Ireland	2.5 m
M004FP6280	China O Let 75 Let 7	2.5 m
M004FP6290	Argentina S SI	2.5 m
M004FP62100	Brazil O	2.5 m
M004FP62110	Denmark 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.5 m
M004FP62120	Israel Classification of the second of the s	2.5 m
M004FP62130	South Africa	2.5 m
M004FP62140	India	2.5 m
M004FP62150	Korea	2.5 m

Instructions for Use — Power Supply Cord

If not already connected, connect the Power Supply Cord to the FARASTAR PFA Generator and to the hospital wall outlet prior to powering up the FARASTAR PFA Generator.

Press the FARASTAR PFA Generator cord retention clip over the power supply cord to secure Power Supply Cord in position.

After shutting down the FARASTAR PFA Generator (see Section 13.9), disconnect the Power Supply Cord from the hospital wall outlet.

Storage — Power Supply Cord

While not in use, store the Power Supply Cord in its designated location on the FARASTAR PFA Generator by wrapping it around the hooks on the rear of the FARASTAR PFA Generator.

Disposal — Power Supply Cord

Do not dispose of this product in the unsorted municipal waste system. Follow local regulations to dispose of this product.

Contact your local Boston Scientific service representative for disposal instructions for Boston Scientific products.

Note: The basic system setup is shown in the System Setup Diagram in Section 1.3.

- 1. Connect the mains Power Supply Cord to the FARASTAR PFA Generator using the IEC 320/13 end of the Power Supply Cord. Also connect the FARASTAR RSM Power Supply Cord.
- 2. Connect the FARASTAR RSM 'CONSOLE' connector to the FARASTAR PFA Generator 'STIM' connector using the Stimulation Module Cable.

CAUTION: The FARASTAR RSM must be used to pass ECG and/or EGM signals to the EP Recording System, during use of the FARAPULSE PFA System, to avoid potentially damaging the EP Recording System components.

- 3. If using Synchronous mode, connect the FARASTAR RSM STIM outputs ('STIM' connections) to the Electrophysiology (EP) Recording System stimulation inputs using cables provided in the cable set (FARASTAR Stimulation Module Male Cable/Female Cable, FARASTAR Stimulation Module Y-Cable (long/short)). Alternatively, the FARASTAR RSM 'STIM' connections may be directly connected to diagnostic catheters. Additional stimulation inputs of the EP Recording System are to be connected to the Electrophysiology Lab Stimulator STIM output channels. If there are more Electrophysiology Lab Stimulator output channels than EP Recording System STIM input channels available, leave any additional Electrophysiology Lab Stimulator outputs disconnected.
- 4. Connect the FARASTAR EGM Cable from the FARASTAR PFA Generator EGM' connector to the EP Recording System Pin Box.

Note: For the FARAWAVE PFA Catheter, signals 6-10 are the individually wired electrodes of each spline, and signals 1-5 are the combined other electrodes of each spline.

- 5. Ensure the FARASTAR RSM's TEST/NORMAL switch is in the NORMAL mode. (BLANK LED is not lit.)
- 6. Connect ECGs from the patient through the FARASTAR RSM en route to the electrophysiology lab's ECG monitoring system. Refer to the FARASTAR RSM User's Manual for specific
- 7. Connect diagnostic catheter EGMs from the patient through the FARASTAR RSM en route to the EP Recording System Pin Box. Refer to the FARASTAR RSM User's Manual for specific connections.
- 8. Connect the Catheter Connection Cable to the FARASTAR PFA Generator CATHETER Connector.
- 9. Ensure the Emergency Stop Button on top of the FARASTAR PFA Generator is disabled before powering on.

Outdated version.

13.4. Generator Power-ON Procedure

- 1. Move the Mains switch located on the back panel of the unit to the Power ON position (See Section 22 Symbol Definition table to identify the Power ON symbol).
- 2. The FARASTAR PFA Generator starts its Power On Self Tests (POST). During this time, the splash screen will be displayed that indicates the progress of the POST process. See Figure 2.



3. Once POST is complete, the initial password login screen will appear. Enter the login password* using the keypad and then press the OK button (see figure 3).

*Login password: 66712062



Figure 3. Initial Password Login Screen

4. Upon successful login, the Home Screen will appear, as shown in Figure 4. Press THERAPY to enter the Therapy Screen.

Note: The icon in the upper-right corner of the Home Screen is only used by BSC personnel for Engineering Access. This function is not accessible to the user and is not necessary in using the system as intended.

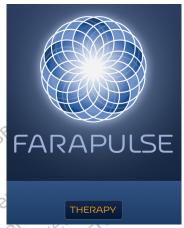


Figure 4. Home Screen

5. In the Therapy Screen, connect the FARAWAVE PFA Catheter to enable therapy.



Figure 5. Therapy Screen — Asynchronous Mode — Catheter Selection

6. After selecting and connecting a catheter, the Therapy Screen will now reflect the selection (see Figure 6 for an example). Asynchronous Mode is the default energy delivery mode of the FARASTAR PFA Generator.

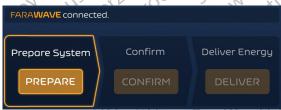


Figure 6. Therapy Screen — Asynchronous Mode — Idle State

13.5. Delivering Therapy in Asynchronous Mode

1. Select the output voltage until the desired level is highlighted.

Note: Selection of ablation voltage setting is at the discretion of the treating physician.

2. After positioning the FARAWAVE PFA Catheter in the desired location, press the PREPARE button to initialize the FARASTAR PFA Generator. Figure 7 shows the User Interface in this mode.

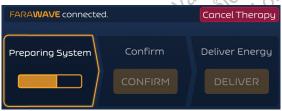


Figure 7. Therapy Screen — Asynchronous Mode — Preparing State

3. Once the PREPARE button is pressed, it will be enabled for approximately four minutes. If this time is exceeded, the FARASTAR PFA Generator will return to the "Idle" state, which will necessitate re-initialization. A countdown timer will appear within 15 seconds of the timeout. The CONTINUE button may be pressed during this countdown to start a second four minute timeout period (see Figure 8). If the second timeout period is exceeded, the FARASTAR PFA Generator will return to the "Idle" state which will necessitate re-initialization.



Figure 8. Timeout Warning Message

4. Upon completion of initialization, the CONFIRM button will be highlighted as shown in Figure 9.



Figure 9. Therapy Screen — Asynchronous Mode — Confirm State

Figure 9. Therap

5. Pressing CONFIRM will enable the DELIVER button as shown in Figure 10.

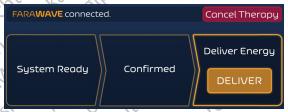


Figure 10. Therapy Screen — Asynchronous Mode — Ready to Deliver State

the DELIVER button as sh Note: that the DELIVER button is only enabled for 10 seconds, after which CONFIRM must be pressed again. Also, the CONFIRM button will be enabled for 4 minutes. If this time is exceeded, the FARASTAR PFA Generator will return to the Idle state which will necessitate re-initialization. A countdown timer will appear within 15 seconds of the timeout. The CONTINUE button may be pressed during this countdown to start another four minute timeout period (see Figure 8).

6. Press the DELIVER button to initiate energy delivery. Energy delivery can be canceled by pressing the Cancel Therapy button at any time (see Figure 11), which will return the FARASTAR PFA Generator to the Idle state (see Figure 6).

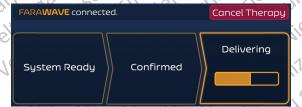


Figure 11. Therapy Screen — Asynchronous Mode — Delivery in Progress

7. When a successful delivery is complete, the FARASTAR PFA Generator will increment the Total Deliveries counter and also record the event in the History Screen. See Figure 12.



Figure 12. Therapy Screen — Asynchronous Mode — Delivery Complete State

8. The FARASTAR PFA Generator imposes a 10 second delay between deliveries. This is implemented as shown in Figure 13.

FARA**WAVE** connected. Cancel Therapy Please wait

Figure 13. Therapy Screen — Asynchronous Mode — Between Deliveries Countdown State

The FARASTAR PFA Generator will then return to the CONFIRM state as shown in Figure 9.

9. To perform additional deliveries, press CONFIRM and then DELIVER. Energy delivery can be Canceled by pressing the Cancel Therapy button at any time. This will return the FARASTAR PFA Generator to the Idle state as shown in Figure 6.

13.6. Delivering Therapy in Synchronous Mode

1. Select Synchronous Mode by pressing the Sync button in the Pacing Control section of the Therapy Screen. Configure the Pacing System by setting a Cycle Length, selecting which channels are enabled for pacing, and setting the pacing channel output current. See Figure 14.



Figure 14. Therapy Screen — Synchronous Mode — Idle State

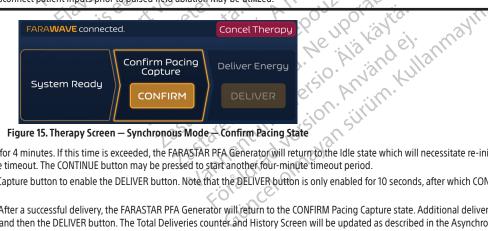
- 2. Check pacing capture by pressing the PACING button to turn on the pacing channel(s) and using the EP Recording System display to confirm. Adjust Cycle Length and Pacing Output Channel current as necessary.
- 3. Select the ablation output voltage until the desired level is highlighted.

Note: Selection of ablation voltage setting is at the discretion of the treating physician.

4. With pacing on and capture confirmed, press the PREPARE button to initialize the FARASTAR PFA Generator. After preparation is complete, the CONFIRM Pacing Capture button will be enabled (see Figure 15).

CAUTION: Disconnect all patient inputs from the Mapping System prior to pulsed field ablation. Leaving patient inputs connected during pulsed field ablation delivery may damage the Mapping System

Note: If available, accessories which automatically disconnect patient inputs prior to pulsed field ablation may be utilized.



The CONFIRM Pacing Capture button will be enabled for 4 minutes. If this time is exceeded, the FARASTAR PFA Generator will return to the Idle state which will necessitate re-initialization. A countdown timer will appear within 15 seconds of the timeout. The CONTINUE button may be pressed to start another four-minute timeout period.

- 5. After confirming capture, press the CONFIRM Pacing Capture button to enable the DELIVER button. Note that the DELIVER button is only enabled for 10 seconds, after which CONFIRM Pacing Capture must be pressed again.
- 6. Press the DELIVER button to initiate energy delivery, After a successful delivery, the FARASTAR PFA Generator will return to the CONFIRM Pacing Capture state. Additional deliveries can be performed by pressing the CONFIRM Capture button and then the DELIVER button. The Total Deliveries counter and History Screen will be updated as described in the Asynchronous Mode

13.7. History Screen

At any time during the procedure, the History button can be pressed to see a list of key procedure events (see Figure 16). A scroll bar on the right edge of the screen can be used if the events take up more than one page. Press the History button again to return to the main Therapy Screen.

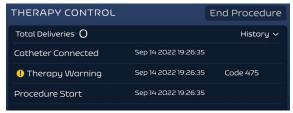


Figure 16. History Screen

13.8. Ending a Procedure

Press the End Procedure button to exit from the Therapy Screen and start a new procedure. A confirmatory dialog box will appear to ensure this is the intended action (see Figure 17).

Note: Ending a procedure will clear the History.

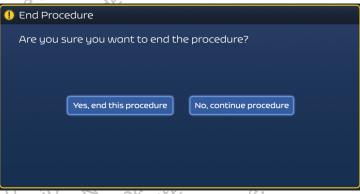


Figure 17. End Procedure Screen

13.9. System Shutdown

Once the End Procedure sequence has completed, the Home Screen (see Figure 4) will once again be showing. System shutdown can be performed by moving the mains switch on the back of

System Notice Types

Fault

A Fault system notice will stop and prevent the system from being used/delivering energy. The message cannot be cleared unless the system is power-cycled or the fault cleared by trained service personnel.

Error

An Error system notice will stop the system from being used/delivering energy. The message can be cleared and the user can attempt to use the system again.

Warning

A Warning system notice is for informational purposes only. System operation is not stopped, and no user action is required.

Problem Category	System Notice Number	System Notice Type	Problem	Message
Calibration		The FARASTAR PFA Generator requires calibration on multiple subsystems. A message is displayed if an issue is detected. To clear the message, power cycle the unit. If this condition persists, contact Boston Scientific.		
	308	Error	Point Calibration Error	Point calibration has encountered an error. Please power-cycle the unit. If this condition persists, please contact customer service.
	323	Error	Power Supply Calibration	Power supply calibration required
Catheter Disconnect	If the FARAWAVE PFA Catheter is disconnected after the FARASTAR PFA Generator has been initialized, a warning message will appear. Re-connect the FARAWAVE PFA Catheter and then press the OK button. The FARASTAR PFA Generator can then be used to continue the procedure.			
	473	Warning	Catheter Disconnected	Please reconnect catheter to enable therapy.
Catheter Verification	The FARASTAR PFA Generator verifies catheters when connected to the system. A message is displayed if an issue is detected. The message can be dismissed. If this condition persists, contact Boston Scientific.			
	306	Error	Catheter Error	Catheter usage has been exceeded.
	372	Error	Catheter Authentication	Catheter Invalid. Please use a new catheter.
	373	Error	Catheter ID	Catheter Invalid. Please use a new catheter.
	374	Error	Catheter Transition	Catheter Invalid. Please use a new catheter.
	375	Error	Catheter Corrupt Data	Catheter Invalid. Please use a new catheter.

Problem Category	System Notice Number	System Notice Type	Problem	Message	
Charge Error	The FARASTAR PFA Generator has an internal monitoring circuit that checks the value of the set voltage. If this value is not maintained within a specified tolerance, an error message will appear. Press the OK button and re-initialize the voltage charging circuit by pressing the PREPARE button. If this condition persists, contact Boston Scientific.				
	322	Error	Charge Error	System did not maintain treatment voltage. Re-prepare system. If this condition persists, please contact customer service.	
Check Sum				oower up. If the software gets corrupted, the check sum calculation will fail, and a tion persists, contact Boston Scientific.	
	272	Fault	Check Sum Fault	Graphics software check sum failed. Please power-cycle the unit. If this fault persists, please contact customer service.	
	304	Error	Main Controller Calibration	Main controller calibration required	
Communication Fault		smission. If a fault is d		between the primary micro-controller and the various sub-systems to reduce the risk of error message will be displayed. To clear the fault, power-cycle the unit. If this condition	
	202	Fault	Communication Fault	A communication fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	261	Fault	Communication Fault	A communication fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	271 CNA	Fault	Communication Fault	A communication fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
Date & Time	The FARASTAR PFA Boston Scientific.	Generator has a systen	n clock. A message is displayed if an	issue is detected. The message can be dismissed. If this condition persists, contact	
CLSIC	403 70 701	Warning	Date & Time	A preventive maintenance is required for the system. The system can still be used. Please contact customer service.	
135	404	Warning	Date & Time	A preventive maintenance is required for the system. The system can still be used. Please contact customer service.	
Device Placement Error	an error message w electrodes on adjace	ill be displayed instruc ent splines. If this cond	ting the user to check the position o	RAWAVE PFA Catheter during energy delivery. If the current exceeds a pre-defined limit, f the FARAWAVE PFA Catheter splines for uneven distribution and/or contact between es appear to be as evenly distributed as possible, consider reducing the voltage or	
	301	Error	Device Placement Error	Reposition the catheter. If this condition persists, replace catheter.	
	303	Error	Device Placement Error	Reposition the catheter. If this condition persists, replace catheter.	
Emergency Stop	The red "Emergency Stop" button on the top of the FARASTAR PFA Generator enclosure can be pressed to immediately terminate energy delivery. A messa appear. The button can be disengaged by twisting counterclockwise which will release the button to its normal state. The system must be prepared again energy deliveries.				
	302	Error A CIT	Emergency Stop Error	The emergency stop button has been pressed. Disengage the emergency stop button to continue therapy.	
FARASTAR Recording System Module	the FARASTAR RSM If Synchronous Mod	to the FARASTAR PFA (e is selected without tl	Generator front panel labeled "STIM"	TIM' connector, an error dialog will appear. Press the OK button and then connect the	
	311	Error	Recording System Module	Sync mode requires a Recording System Module connection for pacing output. Either connect a Recording System Module to the console, or switch to Async mode.	
Hard Drive Storage	The FARASTAR PFA contact Boston Scien		n hard drive storage. A message is di	isplayed if an issue is detected. The message can be dismissed. If this condition persists,	
	405	Warning	Memory Space	A preventive maintenance is required for the system. The system can still be used. Please contact customer service.	
	406	Warning	Memory Space	A preventive maintenance is required for the system. The system can still be used. Please contact customer service.	
Internal System Notification	The FARASTAR PFA Generator continuously monitors its hardware functionality. A message is displayed if an issue is detected. To clear the message, power-cycle the unit. If this condition persists, contact Boston Scientific.				
	262	Fault	Internal System Fault	An internal system fault has occurred. Please power-cycle the unit. If this persists, please contact customer service.	
	263	Fault	Internal System Fault	An internal system fault has occurred. Please power-cycle the unit. If this persists, please contact customer service.	
	264	Fault	Internal System Fault	An internal system fault has occurred. Please power-cycle the unit. If this persists,	

Problem Category	System Notice Number	System Notice Type	Problem	Message	
Pacing System	The FARASTAR PFA Generator continuously monitors the stimulator functions of both channels while in Synchronous Mode. An error message is displayed if a fault idetected. To clear the fault, power-cycle the unit. If this condition persists, contact Boston Scientific.				
	211	Fault	Pacing System Fault	A pacing system fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	212	Fault	Pacing System Fault	A pacing system fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	213	Fault	Pacing System Fault	A pacing system fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	215	Fault	Pacing System Fault	A pacing system fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	312	Error	Internal Stim Error	An internal stimulation error has occurred. Please power-cycle the unit. If the problem persists, please call customer support.	
Parameter Failure			yed if the values saved in the pace for persists, contact Boston Scientific.	unction micro-controller do not match those displayed on the user interface. To clear the	
	316	Error & Jak	Parameter Failure	Stimulator parameters not set internally. Please power-cycle the unit. If this condition persists, please contact customer service.	
Power On Self Test Fault	If any of the Power	On Self Test checks fail,	a fault message will appear. If this fa	ault persists after multiple attempts, power down the unit and contact Boston Scientific.	
	201 BEP 18	Fault No. No.	POST Fault	A POST fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
Power Supply Fault			sly monitoring the internal power su sts, contact Boston Scientific.	ipply circuits. If a fault is detected, an error message is displayed. To clear the fault,	
OCTO	2210	Fault	Power Supply Fault	A power supply fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
10	222	Fault	Power Supply Fault	A power supply fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
Relay Fault			I relays to control the energy deliver ne unit. If this condition persists, con	y to the FARAWAVE PFA Catheter. If a relay fault is detected, an error message is tact Boston Scientific.	
	231	Fault	Relay Fault	A relay fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	232	Fault	Relay Fault	A relay fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	233	Fault	Relay Fault	A relay fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
	234	Fault	Relay Fault	A relay fault occurred. Please power-cycle the unit. If this fault persists, please contact customer service.	
Software Version	If the FARASTAR Sof contact Boston Scien		rect version number a warning mess.	age will be displayed. To clear the fault, power-cycle the unit. If this condition persists,	
	273	Fault	Incorrect Versions	One or more of the version numbers are incorrect. Please power-cycle the unit. If this fault persists, please contact customer service.	
	371	Error	System Version Missing	No system version was found on SD card. Check that the SD card is plugged in and contains a version file. Please power-cycle the unit. If this fault persists, please contact customer service.	
Testing Notification	The FARASTAR PFA contact Boston Scien		cessful completion of functional testi	ing prior to use. A message is displayed if an issue is detected. If this condition persists,	
	307	Error	Stress Test Error	Stress test has encountered an error. Please power-cycle the unit. If this condition persists, please contact customer service.	
	475	Warning	Manufacturing Steps Incomplete	"The following manufacturing steps have not been completed:" Note: This indicates that some manufacturing steps have not been completed. Contact customer service if this message appears.	
	476	Warning	Stress Test Completion	# Cycle Stress Test has completed.	
Voltage Tolerance Error	value. If the value m	neasured by internal cir		FARASTAR PFA Generator will charge its internal energy storage components to the set ce, an error message will be displayed. Press the OK button and re-initialize the voltage act Boston Scientific.	
	305	Error	Voltage Tolerance Error	System did not reach treatment voltage. Re-prepare system. If this condition persists, please contact customer service.	
	321	Error	Voltage Tolerance Error	System did not reach treatment voltage. Re-prepare system. If this condition persists, please contact customer service.	

MB Drawing 50573138

Black (K) ΔΕ ≤5.0 / CMYK

15. ELECTROMAGNETIC COMPATIBILITY (EMC) INFORMATION

The tables below contain FARAPULSE PFA System compliance information on the electromagnetic emissions and immunity. As the equipment user, you have shared responsibility in meeting compliance levels by ensuring that the electromagnetic environment requirements are met.

15.1. EMC Specifications & Labeling

S.H. Ewic Specifications & Easterning						
FARAPULSE PFA System	FARAPULSE PFA System Electromagnetic Emissions					
The FARAPULSE PFA Systoment.	The FARAPULSE PFA System is intended for use in the electromagnetic environment specified below. The customer or the user of the FARAPULSE PFA System should assure that it is used in such an environment.					
Emissions Test	Compliance	Electromagnetic Environment				
RF Emissions EN 55011 /CISPR 11	Group 1 Note: Group 1 Industrial, Scientific and Medical (ISM) Equipment is equipment containing intentionally generated and/or used conductivity coupled radio-frequency that is necessary for the internal functioning of the equipment itself.	The system uses RF energy only for its internal function. Nearby electric equipment may be affected.				
RF Emissions EN 55011 / CISPR 11	Class A Note: Class A equipment is equipment suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network which supplies buildings used for domestic purposes.	The system is suitable for use in all establishments other than domestic, and may be used connected to the public low-voltage power supply network that supplies buildings used for domestic purposes, provided the following warning is heeded: WARNING: The system is intended for use by healthcare professionals only. This system may cause radio interference or may disrupt the operation of nearby equipment. It may be				

15.2. Electromagnetic Immunity

The FARAPULSE PFA System is intended for use in the electromagnetic environment specified below. The customer of the user of the FARAPULSE PFA System should assure that it is used in such an environment.

shielding the location.

necessary to take mitigation measures, such as re-orientating or relocating the system or

Immunity Test	EN 60601 Test Level	Compliance Level	Electromagnetic Environment
Electrostatic Discharge EN 61000-4-2	± 8 kV contact discharge ± 15 kV air discharge	± 8 kV contact discharge ± 2, 4, 8, 15 kV air discharge	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical Fast Transient/Burst EN 61000-4-4	± 2 kV AC mains ± 1 kV I/O lines 5 kHz burst	± 2 kV AC mains ± 1 kV I/O lines 5 kHz burst	Mains power quality should be that of a typical commercial or hospital environment. Sharing mains power lines with large motors and/or noisy equipment must be avoided.
Surge Line to Line (AC Power) EN 61000-4-5	± 1 kV line to line ± 2 kV line to ground	± 0.5, 1 kV line to line ± 0.5, 1, 2 kV line to ground	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines EN 61000-4-11	0% dip in Ut .5 cycle 0% dip in Ut 1 cycles 70% dip in Ut 25/30 cycles at 50/60Hz 0% dip in Ut 250/300 cycles at 50/60Hz	0% dip in Ut .5 cycle 0% dip in Ut 1 cycles 70% dip in Ut 25/30 cycles at 50/60Hz 0% dip in Ut 250/300 cycles at 50/60Hz Note: The system passed this specific test requirement, however if the loss of power turns off the system, the power switch must be turned OFF and then back ON.	Mains power quality should be that of a typical commercial or hospital environment. If you require continued operation of the system during power mains interruptions, use an uninterruptible power supply.
Power Frequency (50/60 Hz) magnetic field EN 61000-4-8	30 A/M	30 A/M CELLY VELLER	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Conducted RF EN 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 Vrms Version of the Charles	Portable and mobile RF communications equipment should be used no closer to any part of the system, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = (3,5 / \sqrt{P}) 150 \text{ KHz} to 80 \text{ MHz}$
	6 Vrms in ISM bands between 0.15 MHz and 80 MHz	6 Vrms 123512116	d = (7 / √P) √P 800 MHz to 2,5 GHz Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an
Radiated RF EN 61000-4-3	3 V/m 80 MHz to 2.7 GHz And Proximity fields from RF wireless communication equipment per 8.10 of EN 60601-1-2	3 V/m And Per 8.10 of EN 60601-1-2	electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol: ((1)) This symbol is labeled on medical equipment that include RF transmitters or that intentionally apply RF electromagnetic energy for diagnosis or treatment.

15.3. Separation distances

Recommended separation distances between portable and mobile RF communications equipment and the system.

The system is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. You can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the system as recommended below, according to the maximum output power of the communications equipment.

Radiated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = \left[\frac{3,5}{V_1}\right] \sqrt{P}$	80 MHz to 800 MHz $d = \left[\frac{3.5}{E_1}\right]\sqrt{P}$	800 MHz to 2.5 GHz $d = \left[\frac{7}{E_1}\right]\sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.74
1	3 1.17	1.17	2.33
10	3.69	3.69	7.38
100	11.67	11.67	23.33

16. DISPOSAL

It is important to understand and follow all local laws regarding the safe and proper disposal of electrical instrumentation.

The durable portions of the FARAPULSE PFA System shall be disposed of in accordance with local regulations.

For users in the European Union: This device contains a battery, if you wish to discard this product, please contact your distributor or supplier for further information.

For disposal in countries outside of the European Union: If you wish to discard this product please contact your local authority or dealer for the correct method of electrical equipment disposal.

17. MAINTENANCE

- The FARASTAR PFA Generator does not require any user periodic maintenance/calibration.
- Only trained and certified personnel may perform service or maintenance on the FARAPULSE PFA System. Contact your local Boston Scientific representative for service and technical support.
- Do not service the FARASTAR PFA Generator or the FARASTAR RSM while the System is in use with a patient.
- Any FARAPULSE PFA System component exposed to excessive shock, vibration, or any mishandling should be returned to the manufacturer for evaluation.
- Completion of factory test requirements for FARASTAR PFA Generator includes but not limited to: High Voltage (HV) calibration, output calibration, and pre-ablation pulse calibration.
 Equipment is maintained and calibrated with documented results.

17.1. Cleaning

- As needed, use a damp, non-abrasive cloth to clean the outer surfaces of the FARASTAR Pulsed Field Ablation Generator, Power Supply Cord, and Cables.
- Do not use abrasive cleaners.
- · Cleaning should be performed at the end of each case at a minimum.
- Do not attempt to clean any of the electrical connectors. Do not allow moisture or fluids to enter any of the electrical connectors or vents.
- Never clean and reuse components that are sterile or that are intended for single use.

18. CYBERSECURITY

The FARASTAR PFA Generator is not intended to be incorporated into an IT Network.

19. COMPLAINT REPORTING AND REQUESTS FOR INFORMATION

In the event that a serious incident occurred in relation to the device, including all patient deaths for procedures where the BSC product was used, the event should be reported to BSC and the competent authority of the Member State in which the user and/or patient is established.

Returning products for analysis and providing product performance observations helps drive higher reliability on an ongoing basis

19.1. Contacts

For service and support in using this system please contact Boston Scientific Support using the resources given below. Do not send any parts or equipment for service to Boston Scientific without prior authorization.

Technical Support (North America) Tel 800 949 6708 Fax 510 624 2493 CETechSupportUSA@bsci.com Technical Support (Europe, Middle East, Africa) Tel 0031 (0)45 5467707 Fax 0031 (0)45 5467805 CETechSupportEMEA@bsci.com

Technical Support (Japan) Tel +81 03 6853 1000 Fax +81 45 444 2799 japantsc@bsci.com

20. PATIENT COUNSELING INFORMATION

The physician should consider the following points while counseling patients on the use of the FARAPULSE PFA System and FARAWAVE PFA Catheter in association with the electrophysiological cardiac interventional procedure:

- Discuss the risks and benefits including review of potential adverse events associated with the system and catheter.
- Discuss post procedure instructions, including any lifestyle changes, medications, when to call the Healthcare Provider (HCP) and any post procedure follow-up that might be needed.

21. WARRANTY

For device warranty information, visit (www.bostonscientific.com/warranty).

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22. SYMBOL DEFINITIONS

Commonly used medical device symbols that appear on the device and/or labeling are defined at www.bostonscientific.com/SymbolsGlossary. Additional symbols are defined at the end of this document.

The following symbols appear on the FARASTAR PFA Generator:

Symbol	Meaning	Location	
0	OFF (power) When a mains switch is moved to the position marked by this symbol, the FARASTAR PFA Generator is OFF.	On the Mains Switch on the Generator.	
1	ON (power) When a mains switch is moved to the position marked by this symbol, the FARASTAR PFA Generator is ON.	On the Mains Switch on the Generator.	
4	Defibrillation-proof type CF applied part	On the CATHETER and STIM Connection on the Generator and Printed on label.	
☆	Equipotentiality	On the Equipotential Ground Post on the Generator.	
A	Dangerous voltage Fuse Warning: Laser heam	On the CATHETER Connection on the Generator.	
—	Fuse The Olithe allegade of the	On the rear, adjacent to the power supply cord inlet.	
<u>*</u>	Harring. Ease, beam	On the COM1 ports, located on the rear of the Generator.	
((1))	Fuse Warning: Laser beam Non-ionizing electromagnetic radiation	This symbol does not appear on the device. The symbol is referenced by Section 15.2.	
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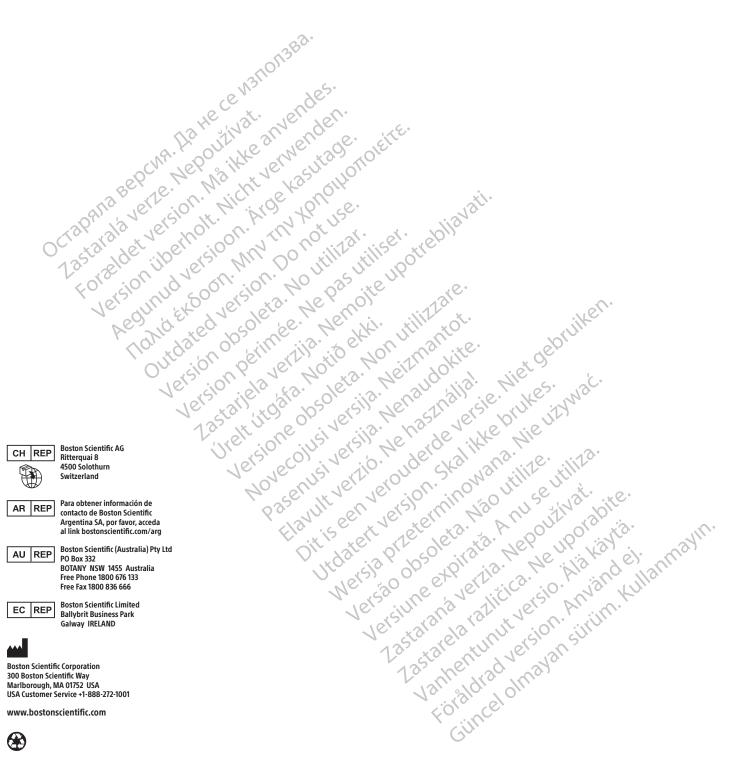
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