

# EC800PE Isolation Power

## User Instructions

### Intended Use

The isolation power is used with the HDT-500 trolley provided by the manufacturer to supply power to devices connected to the trolley.

### Safety Symbols

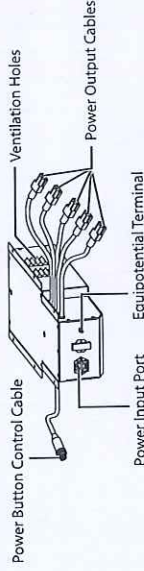
|                                                                                     |                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Serial Number                                                                                                                                                                                                                                                                               |
|  | This product is provided with a CE marking.                                                                                                                                                                                                                                                 |
|  | This symbol indicates that waste electrical and electronic equipment must not be disposed of as unsorted municipal waste and must be collected separately. Please contact an authorized representative of the manufacturer for information concerning the decommissioning of the equipment. |

### Precautions

- Only the personnel authorized or trained by the manufacturer can maintain the isolation power. Any unauthorized personnel should not assemble or disassemble the isolation power.
- Connect the protective earth conductor only before powering on the isolation power. Disconnect the ground wire only after powering off the isolation power. Otherwise, electrical shock may occur.
- Connect the isolation power to other electrical equipment by using the potential equalization lead wire before connecting the power plug of the isolation power to an electrical outlet.
- The AC power connector plug for the isolation power is a three-prong grounded plug and should never be adapted to any two-prong outlet or by using an adapter.
- Select a qualified multi-socket outlet with protective grounding, and ensure that its maximum output power exceeds the required one of the isolation power.
- The multi-socket outlet can only be used to supply power to the recommended peripherals of this system.
- Do not connect other devices to the multi-socket outlet. Otherwise, it may result in interference and overload.
- Do not place the multi-socket outlet on the floor.
- Disconnect the power cable from the electrical outlet to ensure that the isolation power is powered off.

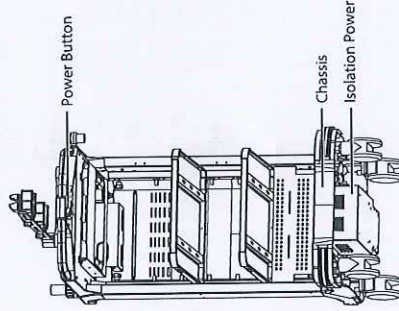
- Within the environment that is 1.8 meters (6 feet) around a patient, connect peripherals to the auxiliary power outlet which is capable of isolation protection; or, power the peripherals by the auxiliary output cable or the isolation transformer complied with EN/IEC 60601-1, or the power input of the same safety level.
- Do not pour any fluid onto the isolation power surface, as fluid seepage into electrical circuitry may cause excessive electrical current leakage or failure. If any water is spilled onto the isolation power, stop using the isolation power and contact the local distributor immediately.
- Power output cables of the isolation power is only used for connecting the device manufactured or approved by the manufacturer; otherwise, the device may be damaged.

### Parts and Names



### Installation and Usage

Before delivery, the isolation is mounted under the chassis, and the power button control cable as well as the power output cables are installed.



- Connect the power output cables to the image processor, the light source and the monitor.
- Connect one end of the power cable supplied with the isolation power to the power input port of the isolation power, and connect the other end to an electrical outlet.
- Press the power button.

### Cleaning and Maintenance

#### Cleaning

NOTE:

To avoid electrical shock and damage to the isolation power, turn off the power button and disconnect the isolation power from the electrical outlet before cleaning.

Dampen a lint-free soft cloth with ethyl alcohol to clean the surface of the isolation power.

#### Maintenance

To ensure that the isolation power is mounted securely, maintenance must be performed at least once every year.

### Specifications

#### Input

|                      |                            |            |                 |
|----------------------|----------------------------|------------|-----------------|
| Input voltage        | 100 - 127 V/200 - 240 V AC | Frequency  | 50/60Hz         |
| Inrush current       | ≤ 70 A, 25°C               | Efficiency | > 85% Full load |
| EMI: CISPR22 Class B |                            |            |                 |

Safety ground leakage current: < 500 μ A@50/60 Hz, 264 V AC input

#### Total Output

|                                     |           |                       |            |
|-------------------------------------|-----------|-----------------------|------------|
| Max. power                          | 700 VA    | Working environment   | 0°C - 40°C |
| Line adjustment range               | < 5%      | Load adjustment range | < 5%       |
| Life                                | > 50000 h |                       |            |
| Isolation voltage (input-output)    | 4000 V AC |                       |            |
| Isolation voltage (input/output-PE) | 1500 V AC |                       |            |

#### Single Output

|                |             |              |       |
|----------------|-------------|--------------|-------|
| Output voltage | 200-240V AC | Max. current | 3.5 A |
| Precision      | < 5%        |              |       |

NOTE: When the power input voltage is 90 V AC, the total power is lower than 650 VA.

### Customer Service

Manufacturer: SonoScape Medical Corp.

Address: Room 201 & 202, 12th Building, Shenzhen Software Park Phase II, 1 Keji Middle 2nd Road, Yuehai Subdistrict, Nanshan District, Shenzhen, 518057, Guangdong, China

Tel: +86-755-26722890

Fax: +86-755-26722850

E-mail: [sonoscape@sonoscape.net](mailto:sonoscape@sonoscape.net)

[www.sonoscape.com](http://www.sonoscape.com)