

PSG-HR

Product Composition

PSG-HR consist of cabinet, controlling system, inverter module and high voltage tank.

Typical Application

PSG-HR is mainly applied to DR of dual-column, flat-bed, suspension and U-arm.



Feature

- High voltage insulation of tank (224kV)
- Compact and high power density
- Short safe discharging time (less than 1 minute)
- Digital switching between kV and mA
- Automatic selection of high and low power of filament
- Digital Continuously Variable Transmission (CVT) Rotating Anode Technology
- Controlling structure of DSP and FPGA with reliable and stable performance
- Platform-based and modularization management is easy for installment and maintenance
- Equipped with standard automatic exposure control (AEC) and multi-speed switching of anode driving



Specification

| Product Model                                       | PSG-HR50E                 | PSG-HR50                                | PSG-HR65 | PSG-HR80          |        |
|-----------------------------------------------------|---------------------------|-----------------------------------------|----------|-------------------|--------|
| Product Name                                        |                           |                                         |          |                   |        |
| Medical X-ray High Frequency High Voltage Generator |                           |                                         |          |                   |        |
| Input                                               | Max Working Frequency     | 200kHz±20%                              |          | 300kHz±20%        |        |
|                                                     | Phase/Voltage Range       | 3 Phase/380V±10%                        |          | 3 Phase/380V~480V |        |
|                                                     | Frequency                 | 50Hz/60Hz                               |          |                   |        |
| Output                                              | Nominal Power             | 50kW                                    | 50kW     | 65kW              | 80kW   |
|                                                     | kV Range                  | 40kV~150kV                              |          |                   |        |
|                                                     | kV Rising Time            | ≤1ms@100kV(10%-90%)                     |          |                   |        |
|                                                     | Accuracy of kV            | ±5%@≥100kV<br>4kV@≤100kV                |          |                   |        |
|                                                     | Max mA                    | 630mA                                   | 630mA    | 800mA             | 1000mA |
|                                                     | Accuracy of Tube Current  | ±(5%+1mA)@≥100ms<br>±20%@≤10ms          |          |                   |        |
|                                                     | mAs Range                 | 0.4mAs~1000mAs                          |          |                   |        |
|                                                     | Accuracy of mAs           | ±(5%+0.2mAs)@>5ms<br>±(10%+0.2mAs)@≤5ms |          |                   |        |
|                                                     | Exposure Time Range       | 1ms~10000ms                             |          |                   |        |
|                                                     | Accuracy of Exposure Time | ±(2%+0.2ms)@>5ms<br>±(5%+1ms)@≤5ms      |          |                   |        |
| Rotor Control Parameter                             |                           | Dual Speed Auto Control                 |          |                   |        |
| Appearance                                          | Size (W*D*H)              | 523*420*475mm                           |          |                   |        |
|                                                     | Weight                    | 65kg                                    | 65kg     | 68kg              | 68kg   |
| Optional Configuration                              | Function/Accessory        | AEC/DAP/Hand Switch/Control Box         |          |                   |        |