



RX-HPS

15–120Kva

Modular UPS Model: HP20-80kVA
DOUBLE CONVERSION ON-LINE



APPLICATION

Small-medium internet data center, telecom and other mission-critical applications

The HPS-Series is suitable for protecting all IT and telecommunications systems, information networks and critical systems in general. The HPS-Series consists of three-phase input and output models, with double conversion on-line technology. HPS-Series has been designed and produced with state-of-the-art technologies and components in order to guarantee maximum protection, no impact on the supply mains, and energy savings.

The EPI RX HPS-Series is a world class, redundant, scalable, power protection system designed to cost effectively provide high levels of availability. Seamlessly integrating into today's state-of-the-art data center designs, the HPS-Series is a true modular system. Made up of dedicated and redundant modules--power, intelligence, battery and bypass, all engineered into a design that is easily and efficiently serviceable, this architecture can scale power and runtime as demand grows, or as higher levels of availability are required. Highly manageable, the HPS-Series features self-diagnostic capabilities and standardized modules which alleviate the risk of human error, thus resulting in increased overall data center reliability.

N+1 redundant, three-phase power protection concept designed for easy and quick serviceability to maximize power availability.

Modules are available in 20, 30, & 40 kVA. Two modules can be fitted per cabinet to achieve redundancy. Each cabinet can be parallel up to 4 units.

High efficiency with programmable ECO mode. When ECO mode is enabled, the HPS-Series operates continuously on bypass source. ECO mode can reduce operating energy costs.

HPS-Series technology, along with the use of high performance components, allow HPS-Series to obtain exceptional performance and efficiency levels from a very low footprint and dimensions.

KEY FEATURE AND BENEFITS:

- New generation of online double conversion digital UPS
- Advance IGBT rectifier to have low THDi and high power factor
- Wide input voltage range and frequency tolerance
- Load bus synchronization (LBS) function to protect your investment
- Flexibility of configurability of battery quantity
- Front accessible module, designed for ease of maintenance
- Low audible noise <65dB
- Low output voltage THD
- Parallel redundancy
- ECO mode
- Back-feed protection
- Cold start
- Provide LCD indication and audible alarm function
- Surge, short circuit and overload protection
- Intelligent battery management



Technical Specifications:

INPUT	HP20		HP30	HP40	HP80
CAPACITY	20KVA/16KW		30KVA/24KW	40KVA/32KW	80KVA/64KW
INPUT					
Voltage Range	304±5VAC~478±5VAC				
Frequency Range	46~54Hz±0.5Hz or 56~64Hz±0.5Hz				
Phase	3 phase 4 wire				
THDi	≤3%				
Power Factor	≥0.99				
OUTPUT					
Phase	3 phase 4 wire				
Rated Voltage	380/400/415V				
Waveform	sine wave				
Crest Factor	3:01				
Frequency	50Hz/60Hz±0.5Hz(battery mode)				
THD (linear load)	≤1%				
THD (non-linear load)	≤5%				
Overload Capability	110% for 60mins; 125% for 10mins; 150% for 1min				
BATTERY					
Model	sealed lead acid maintenance free				
Charge Current	15A max				
Configurable Battery	32/34/36/38/40 pcs				
BYPASS					
Type	Static bypass and manual maintenance bypass				
Input Phase	3 phase 4 wire and ground				
Input Voltage Range	208~478V±5V				
Overload Capacity	125%~150% for 10 mins				
SYSTEM					
Remote Signaling	Dry contact				
Communication	RS232/RS485/RJ11/SNMP				
Running Temperature	0~40°C				
Relative Humidity	0%~95% (non-condensing)				
Altitude	1000m output normal power				
Noise at 1m	≤56dB				
Inverter Efficiency	95%				
Degree of Protection	Ip20				
OTHER					
Weight	210kg	220kg	280kg	290kg	
Dimension (W×D×H)mm	600×750×1200			600×750×1800	
Packing (W×D×H)mm	900×1050×1500			900×1050×2100	