

XMI-GDR-240V Series

Power Range

3kVA-15kVA

Way of working

Single phase in, Single phase out

Application Field

Data center, power communication, industrial control and etc.

Performance Characteristics

Flexible Use And Strong Environmental Applicability

- Modular expandable design, supporting up to 5 modules in parallel, providing stable and reliable power quality;
- Ultra-wide input voltage range, by decreasing frequent switching times for battery power supply, and prolong battery lifetime;
- Standard 19-inch rack structure, supporting embedded installation and flexible use;
- Strong overload capacity, supporting 150% rated load impact operation, applicable to non-linear communication equipments;
- Automatic start and DC cold start, realizing unattended and emergency use requirements.

Efficient And Energy-Saving

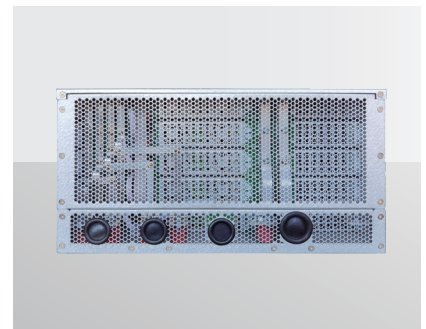
- The input power factor is above 0.99;
- The fan can be intelligently adjusted at multiple levels according to the load and temperature;
- The efficiency of battery mode is more than 90%, and that of utility mode is more than 99%.

Perfect Protection And Query Functions

- Battery power-off protection, which can set the battery power-off voltage to prevent the battery from over-discharging and prolong the lifetime of the battery;
- Integrate output over-voltage and under-voltage protection, output overload and short-circuit protection, over-temperature protection, battery under-voltage early warning protection, anti-surge and lightning protection and other multi-functional protection, which greatly ensures the stability and reliability of system operation;
- With LCD display, it can query the input voltage/frequency, output voltage/frequency, battery voltage, ambient temperature, load percentage, software version, output status, battery status, mains power input status and other parameters .

Intelligent Monitoring Management Function

- Dry contact communication interface, including mains power failure and system alarm interface;
- Standard RS485 communication interface through the monitoring software can directly and remotely monitor the operation status of the power supply system online.



Performance

Model	XMI30DGR	XMI60DGR	XMI90DGR	XMI120DGR	XMI150DGR
Rate Capacity	3kVA	6kVA	9kVA	12kVA	15kVA
Input					
Voltage Range	165~260Vac				
Frequency Range	50±5%Hz				
Power Factor	≥0.99				
DC Input					
Rated Voltage	Default 240VDC (220VDC can be set)				
Voltage Range	196~286VDC				
Battery Type	Lead acid battery				
AC Output					
Rated Voltage	220Vac				
Voltage Range	220±2%Vac				
Power Factor	0.8				
Rated Frequency	50Hz				
Frequency Range	49~51Hz				
Voltage Waveform Distortion	3% (resistive load)				
Efficiency	≥90%				
Overload Capacity	105% < Load < 125%: maintain for 10 minutes; 125% ≤ Load < 150%: maintain for 1 minute; Load ≥ 150%: immediate protection				
Switching Time					
Mains Inverter Switching Time	≤10ms				
Protection Characteristics					
Mains Input Undervoltage Switching	≤176Vac				
Output overvoltage protection	≥245Vac				
Battery Low Voltage Alarm	≤200Vac				
Output short circuit protection	Have				
Battery reverse connection protection	Have				
Communication					
communication interface	RS485, Dry contact				
Environment					
Working altitude	The altitude shall not exceed 1000m, and the derating shall be more than 1000m. Refer to IEC62040				
working temperature	-5~40°C				
Working relative humidity	0~95% (no condensation)				
Working noise	<65dB @ 1m				
Mechanical Index					
Wide (mm)	482.6	482.6	482.6	482.6	482.6
Deep (mm)	350	350	350	350	350
High (mm)	44.5 (1U)	88 (2U)	132 (3U)	176 (4U)	220 (5U)
Weight (kg)	5.4	16.5	24	29.4	34.8