

Modular UPS (15kVA Module)

Product Description

Qilian UM series modular UPS adopts on-line double conversion technology, which can eliminate all kinds of power grid problems to the impact of critical loads. Adopt full modular design, can support 15-90kVA smooth expansion, and maintenance is simple and easy to carry out, effectively improve the traditional UPS availability of low problems. Reliable and efficient, intelligent and flexible
The features of this product can provide ideal power protection for medium and large-scale power supply scenarios of customers.

application scenarios

- Telecommunications and network switching rooms for enterprise
- small and medium data centers
- Financial Branches, Traffic Dispatch Centers, Security Systems, etc

Characteristics and values



◆ Modular design

- Power modules in the low load intelligent sleep, intelligent rotation, and further enhance the operational efficiency of the power modules support
- hot-swappable, on-demand capacity expansion, easy to maintain



◆ Highly reliable

- 207V~476V ultra-wide input voltage range, 40~70Hz ultra-wide
- input frequency range can work for a long time under overload
- conditions, strongly protect the back-end important loads



◆ Convenience and flexibility

- The frame supports standard cabinet and tower mounting, flexible and easy to use
- 7-inch color touch screen, graphic display, easy to operate
- Battery 30-50 flexible adjustable, single battery failure to avoid customers to replace the entire battery, saving maintenance costs

Modular UPS Technical Parameters

cabinet capacity		90kVA
module capacity		15kVA
Mains input	Input Format	3 phases + N wire + ground
	Input Voltage	380V/400V/415V (line voltage)
	Input frequency	50/60Hz
	Input power factor	>0.99
	current harmonic	THDi<3% (100% linear load)
	Voltage range	207-476Vac
	frequency range	40-70Hz
Bypass	bypass voltage	380V/400V/415V (line voltage)
	Voltage range	220Vac Upper limit: 25% (+10%, +15%, +20% selectable) Lower limit:-45% (optional -10%, -20%, -30%)
	frequency range	Utility mode: $\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\% \pm 10\%$ can be set. Battery mode: (50/60 $\pm 0.1\%$) Hz
Battery	Voltage range	30-50 12V batteries, even number adjustable, default 40 batteries
Output	Output power factor	1
	Rated output	380V/400V/415V (line voltage)
	Rated output	50/60Hz
	voltage accuracy	$\pm 1.0\%$
	output dynamic	<5% (0%-100%-0% step load)
	dynamic recovery	<20ms (0%-100%-0% step load)
	Voltage harmonic	<2% (resistive loads), <5% (non-linear loads)
	overloaded inverters	110%, bypass in 1 hour; 125%, bypass in 10 minutes. 150%, bypass after 1 min; >150%, bypass after 200 ms
	frequency accuracy	50/60Hz $\pm 0.1\%$
	Output Current Peak	3 : 1
	system efficiency	Normal Mode >96%, Economic Mode >99%
system	protection class	IP20
	communication	RS485, parallel card, SNMP card (optional)
	operating	0-40°C
	Storage temperature	-25°C -70°C
	relative humidity	0-95% (no condensation)
	Noise (dB)	< 60
Dimensions	Mainframe	485mm×850mm×1005mm (W×D×H)
	Power Modules	465mm×623mm×86mm (W×D×H)
Weight	Mainframe	66kg
	Power Modules	19.5kg