▶ Modular Online UPS

PLRM Series

80-500 kVA (380V/400V/415V)

DESCRIPTION

The PLRM Series Modular, online UPS ranging from 40kVA to 500kVA is designed to protect any critical load for medium and large data center achieving maximum availability. The PLRM Series feature the latest technology of 3-level technology and PFC input control, which guarantees high efficiency of 96% and ultra-reliability. 3 units can be paralleled for capacity or redundancy up to 1500kVA, making it an excellent choice for medium and large facilities.

GENERAL SPECIFICATIONS

▶ Compact design, 500kVA in one cabinet (1.45m²)
▶ 50kVA power modules in 4U height, easy for capacity upgrade
▶ High efficiency in double conversion mode up to 96%
▶ The system intelligently control the whole process of the charging and discharging, improving the lifetime of the battery.
▶ System can be configured 40kVA to 500kVA in one single cabinet and can paralleled 3 units for a capacity up to 1500kVA
▶ 10.4" touch color LCD with graphic display.
▶ System can intelligently shutdown some power modules to increase total load rate, achieving higher efficiency
▶ Provides RS232, RS485, USB, SNMP, AS400 and programmable dry contacts.

TECHNICAL SPECIFICATIONS

MODELS		PLRM500/50X	PLRM400/40X
Power (kVA)		500kVA/450kW	400kVA/400kW
Power Module		PM50X(50kVA/45kVA)	PM40X(40kVA/40kW)
INPUT			
Phase		3 P + N + G, 380V/400V/415V	
Voltage Range		304V-478VAC (line-line), full load; 228V-304VAC (line-line), load derated linearly	
Frequency Range		40Hz - 70Hz	
Power Factor		> 0.99	
THDi		THDi<3% @ 100% linear load	
OUTPUT			
Voltage		380V/400V/415V	
Voltage Regulation		1.5 %	
Power Factor		0.9	1.0
THDu		THD<1%(linear load), THD<5.5%(non-linear load)	
Crest Factor		3:1	
Overload Capability		110% for 1 hour; 125% for 10min; 150% for 1min; >150% for 200ms	
BATTERY			
Voltage		± 240VDC	
Charge Power		20%* System Power	
Charge Voltage Precision		± 1%	
SYSTEM			
System Efficiency		Normal Mode: 96%; Battery Mode: 96%	
Display		10.4" Color touch screen LCD + LED + Keyboard	
IP Class		IP20	
Interface		Standard: RS232, RS485, USB, Dry Contacts(programmable) Optional: SNMP, AS400, Parllel Kit, Battery Cold Start(standard for 250kVA and above), Lightning protection components, Dust Filter, LBS	
Operation/Storage Temperature		(0⁰C)-(40⁰C) / (-25⁰C)-(70⁰C)	
Relative Humidity		0-95%(non-condensing)	
Noise		72dB @ 100% load; 69dB @ 45% load (1 meter away)	
PHYSICAL			
Weight	Cabinet	900kg	
	Power Module	45kg	44kg
Dimension (W*D*H)	Cabinet	1300x1100x2000(mm)	
	Power Module	510x700x178(mm)	

NOTE: All specifications subject to change without notice. Consult EPC's Technical Support Department for special applications. All names used above are registered trademarks of their respective owners.