RML Series Modular Online UPS
12-120kVA (200V/208V/220V)

RML series is modular online UPS for sensitive equipments. The single cabinet power rating covers from 12kVA to 120kVA. With the latest IGBT three-level and full DSP control technology, the RML series delivers the best of combination of reliability, flexibility and hot-swappable.

Features

Modular design
Up to 20 power modules in parallel, online hot-swappable, N+X redundancy

Independent charger
Independent charger for each module and intelligently control the whole charging process, prolong the life time of the battery

Battery cold start
UPS can be powered on from the battery without utility

Easy connection access
Top and bottom cable entry connection are supported, more convenient for site installation

High power density
120kVA with footprints of about 0.5㎡, saving valuable data center space

Integrated IGBT design
Integrated IGBT in one module, less failure points with higher performance and reliability

Friendly interface
Touch LCD display with abundant information

Independent air channel
Cooling air run in isolated channel, keeping PCB free of dust

Specification

MODEL		RML120/12	RML072/12	RML036/12
Power module		PML12 (12kVA)		
INPUT				
Phase		3 Phase + Neutral + Ground, 200V/208V/220V (line to line)		
Voltage range		166-261Vac (line-line), full load; 166-125Vac (line-line), load derated linearly		
Frequency range		40Hz-70Hz		
Power factor		>0.99		
THDi		THDi<3% @ 100% linear load		
OUTPUT				
Voltage		200V/208V/220V		
Voltage regulation		±1% for balance load; ±1.5% for unbalance load		
Power factor		0.8		
THDu		THD<1% (linear load), THD<5.5% (non-linear load)		
Crest factor		3:1		
Overload capability		110% for 1 hour; 125% for 10 min; 150% for 1 min; >150% for 200ms		
BATTERY				
Voltage		±120VDC		
Charge power		20%*System Power		
Charge voltage precision		±1%		
SYSTEM				
System efficiency		Normal mode:>92%; ECO mode:>98%; Battery mode:>92%		
Display		LCD+LED, Touch Screen +Keyboard		
IP class		IP20		
Interface		Standard: RS232, RS485, Dry contacts; Optional: SNMP		
Operation/Storage temperature		0-40℃/-40-70℃		
Relative humidity		0-95% (non-condensing)		
Noise		55dB @ (1 meter away)		
PHYSICAL				
Weight (kg)	Cabinet	179	145	105
	Power Module	22		
Dimension (W*D*H) (mm)	Cabinet	600*900*2000	600*900*1600	600*900*1100
	Power Module	440*590*134		