POWER SOLID

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ONLINE UPS

PS-PMU600K50#50BC0KR

600 KVA



Features

- The UPS will keep on single or parallel working, if any module fail
- High input power factor, it is up to 0.99
- Support parallel expanded operation: maximum is 6 units
- Support sharing batteries for the UPS in parallel
- Support SNMP, RS232, RS485, BMS, Dry contact interface

APPLICATIONS

FINANCE TELECOM MEDICAL INDUSTRIAL

THE CROWN OF POWER SOLUTIONS

POWER SOLID

Technical Specifications

Module Model		PS-M50K#KR
Cabinet Model		PS-PMU600K50#50BC0KR
Cabinet capacity (VA)		600
Module capacity (VA)		50K
Max. number		12
INPUT		
Nominal voltage		380/400/415Vac, (3Ph+N+PE)
Operating voltage range		138~305Vac for 40% load; 305~485Vac for 100% load
Operating frequency range		40Hz~70Hz
Power factor		≥0.99
Harmonic distortion (THDi)		≤3% (100% linear load)
Bypass voltage range		Max. voltage:220V: +25% (optional+10%, +15%, +20%); 230V: +20% (optional +10%, +15%); 240V: +15% (optional +10%) Min. voltage: -45% (optional-10%, -15%, -20%, -30%)
Bypass frequency range		Frequency protection range: ±10%
Power Walk In		Support
Generator input		Support
OUTPUT		
Rated voltage		380/400/415Vac, (3Ph+N+PE)
Power factor		1.0
Voltage regulation		±1%
Output Crest factor	Line mode	Synchronize with input, when the input frequency >±10% (±1%/±2%/±3%/±4%/±5% optional), output 50/60 (±0.1Hz)
	Bat. mode	(50/60±0.1%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤1% with linear loads, ≤3% with nonlinear load
Efficiency		up to 96%
BATTERY		
Battery voltage		Optional Voltage: ±180/192/204/216/228/240/252/264/276/288/300Vdc(30/32/34/36/38/40/42/44/46/48/50pcs optional); 360Vdc~600Vdc (30~50 pcs, 36 pcs default, 36~50 pcs no power derating; 32~34 pcs output power factor 0.9; 30 pcs output power factor 0.8)
Power module charge current		20A (Max.)
SYSTEM FEATURES		
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms
Overload	Line mode	≤110%, 60min; ≤125%, 10min; ≤150%,1min; to bypass. >150% Shut down Immediately.
Overheat	Bypass mode	135% overload for long term; >1000% overload for 100 ms Line Mode: Switch to Bypass; Backup Mode: Shut down UPS immediately
Low battery voltage		Alarm and Switch off
Self-diagnostics		Upon Power On and Software Control
Backfeed protection		Support
EPO (optional)		Shut down UPS immediately (turn to bypass optional)
Battery		Advanced Battery Management
Noise suppression		Complies with EN62040-3
Audible & visual alarms		Line Failure, Battery Low, Overload, System Fault
Status LED & LCD display		Line Mode, Bypass Mode, Battery Low, Battery Fault, Overload & UPS Fault
Reading on the LCD display		Input, Output, Battery, Command, Setting, Maintenance
Communication interface		RS232, RS485, Parallel, LBS, BMS, Dry contact port, Relay card(optional), SNMP card(optional), Battery temperature sensor(optional)
ENVIRONMENTAL		
Operating temperature		0°C～40°C
Storage temperature		-25°C～55°C
Humidity range		0～95% (non condensing)
Altitude		<1500m, derating required when >1500m
Noise level		<73dB
PHYSICAL		
Dimension W×D×H (mm)	UPS cabinet (S / F)	600kVA: 1200×850×2000
	Power module	440×620×130
Net weight (kg)	UPS cabinet (S / F)	600kVA: 540
	Power module	34