



PSPMU600K50#50BC0KR

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. units.
- >> Support sharing batteries for the UPS in parallel
- >> Support SNMP, RS232, RS485, BMS, Dry contact interface



THE CROWN OF POWER SOLUTION



FINANCE



Telecom



MEDICAL



INDUSTRIAL

Technical Specifications

Module Model	PS-M50K#KR	
Cabinet Model	PSPMU600K50#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 frequency	Line mode	Synchronize with input, when the input frequency $> \pm 10\%$ ($\pm 1\%/\pm 2\%/\pm 3\%/\pm 4\%/\pm 5\%$ optional), output 50/60 (± 0.1 Hz)
	Bat. mode	(50/60 ± 0.1)Hz
Crest factor	3:1	
Harmonic distortion (THDv)	≤1% with linear load; ≤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.
	Bypass mode	135% overload for long term; >1000% overload for 100 ms
Overheat	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
STANDARDS		
Safety	IEC/EN62040-1, IEC/EN62477-1	
EMC	IEC/EN62040-2 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8)	