

POWER SOLID ONLINE UPS

PS-POU300K3#50BC0KR

300 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



DATA CENTER

Technical Specifications

MODEL		PS-POU300K3#50BC0KR	
Cabinet capacity (KVA)		300	
Module capacity (KVA)		50	
Max. number		6	
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 tracking 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 Bat. mode	SYNCHRONIZE WITH INPUT, WHEN THE INPUT FREQUENCY $\geq 10\%$ $\pm 1\%$ / $\pm 2\%$ / $\pm 3\%$ / $\pm 4\%$ / $\pm 5\%$ OPTIONAL), OUTPUT 50/60 (±0.1Hz)	
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% WITH LINEAR LOAD; ≤4% WITH NONLINEAR LOAD	
Efficiency		up to 96.5%	
BATTERY			
Battery voltage	VRLA battery Lithium battery	360Vdc~600Vdc (30~50pcs continuously adjustable, 30pcs default, 36~50pcs no power derating; 32~35pcs output power factor 0.9; 30/31pcs output power factor 0.8)	
Power module charge current		512Vdc 20A (Max.)	
SYSTEM FEATURES			
Transfer time		Utility to Battery : 0ms; Utility to bypass: 0ms	
Overload	Line mode Bypass mode	≤110%, 60min: ≤125%, 10min; ≤150%, 1min to bypass; >150%, shut down immediately 30 : 135% OVERLOAD FOR LONG TERM; 40 : 125% 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		0~40°C	
Storage temperature		-25~55°C	
Humidity range		0~95% (non condensing)	
Altitude		<1500m, derating required when >1500m	
Noise level		<66dB	
PHYSICAL			
Dimension	UPS cabinet (S) UPS cabinet (F) Power module	600×850×2000 440×620×130	
Net weight (kg)	UPS cabinet Power module	290 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)	