

PS-POU120K3#50BC0KR

Features:

- >> **High reliability design** :- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage \geq 305Vac.
- >> **Parallel redundancy function** :- Support parallel expanded operation: maximum is 6 units. Support sharing batteries for the UPS in parallel.
- >> **Flexible battery configuration** :- Batteries number of each group can be selected from 30pieces to 50 pieces.
- >> **Strong load capacity** :- Output power factor is 1.0, UPS can supply power to 100%unbalance load. High adaptability for load, it can connect full inductive load orcapacitive load.
- >> **LBS function** :-LBS function can realize 2 independent UPS system work in synchronization, and it enhances the reliability of the system.
- >> **Intelligent management** :- Support USB, RS485, RS232, SNMP, dry contact card.



Applications

**FINANCE****Telecom****MEDICAL****INDUSTRIAL**

Technical Specifications

MODEL		PS-POU120K50#3BCOKR	
Capacity(VA/Watts)		120KVA /120KW	
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		40~70Hz	
Power factor		≥0.99	
Harmonic distortion (THDi)		≤3% 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%)	
Frequency protection range		50/60Hz±10%	
Generator input		Support	
OUTPUT			
Output voltage		380/400/415Vac (3Ph+N+PE)	
Voltage regulation		±1%	
Power factor		1.0	
Output frequency	Line Mode	Synchronize with input, when the input frequency > ±10% (±1%/±2%/±4%/±5% optional), output 50/60 (±0.1Hz)	
	Bat. Mode		
Crest factor		3:1	
Harmonic distortion (THDv)		≤2% with linear load; ≤4% with non linear load	
Overload	AC Mode	≤110% 60min, ≤125% 10min, ≤150% 1min, > 150% 1.2s shut down inverter	
	Bypass Mode	30°C: 135% for long term; 40°C: 125% for long term; > 1000%, 100ms	
EFFICIENCY			
Efficiency		up to 95.5%	
BATTERY			
Battery voltage		360Vdc ~ 600Vdc	
Battery type		VRLA / Li	
Charge Current		40A Max.	
SYSTEM FEATURES			
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms	
Backfeed protection		Support	
Alarm		Overload, utility abnormal, UPS fault, battery low, etc	
Protection		Short circuit, overload, over temperature, battery low, fan fault alarm	
Remote LCD		Support	
Communication		USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)	
ENVIRONMENTAL			
Operating temperature		0°C ~ 40°C	
Storage temperature		25°C ~ 55°C (No battery)	
Humidity range		0 ~ 95% (Non condensing)	
Altitude		< 1000m, derating required when > 1000m	
Noise level		< 62dB	
PHYSICAL			
Dimension WxDxH (mm)		442 x 850 x 1200	
Net weight (kg)		152 kg	