



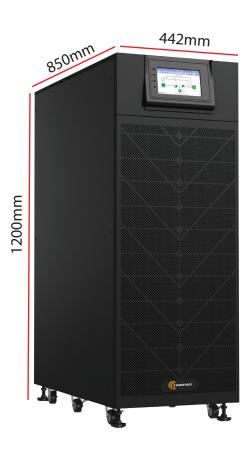
## PS-POU100K3#50BC0KR

## **Features:**

- >> High reliability design :- Wide input voltage range 138-485Vac (Phase voltage 80-280Vac), no derating when input voltage ≥ 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 to 50 pieces.
   >> Strong load capacity :-

Output power factor is 1.0, UPS can supply power touldbalance load. High adaptability for load, it can connect full inductive 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







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## **Technical Specifications**

MODEL		PS-POU100K50#3BC0KR
Capacity(VA/Watts)		100KVA / 100KW
INPUT		
Nominal volt	tage	380/400/415Vac (3Ph+N+PE)
Operating voltage range		138~485Vac for 40% load; 305~485Vac for full-load
Operating frequency range		40~70Hz (50/60Hz Auto-Sensing)
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-20%,-30%)
Frequency protection range		50/60Hz±10%
Generator input		Support
OUTPUT		
Output volta	ige	380/400/415Vac (3Ph+N+PE)
Voltage regu	0	±1%
Power factor		1.0
Output	Line Mode	$\pm 1\%/\pm 2\%/\pm 4\%/\pm 5\%/\pm 10\%$ of the rated frequency (Optional)
frequency	Bat. Mode	(50/60±0.2%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤2% with linear load
I farmonic cist		$\leq 4\%$ with non linear load
Overload	AC Mode	Load≤110%: last 60min, ≤125%: last 10min, ≤150%: last 1min, >150%:turn to bypass immediately
	Bypass Mode	135% overload long time; >1000% overload 100ms
EFFICIENC	CY	
Efficiency		up to 95.5%
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 (30~50pcs, 30pcs default, 36~50pcs output power factor 1.0; 32~34pcs output power factor 0.9; 30pcs output power factor 0.8)
Charge Current (charge current can be set according to battery capacity installed)		40A Max.
SYSTEM F	EATURES	
Transfer time	2	Utility to Battery: 0ms; Utility to Bypass: 0ms
Backfeed protection		Support
Alarm		
		Overload, utility abnormal, UPS fault, battery low, etc
Protection		Overload, utility abnormal, UPS fault, battery low, etc Short circuit, overload, over temperature, battery low, fan fault alarm
Protection	)	Short circuit, overload, over temperature, battery low, fan fault alarm
Protection Remote LCD	) tion	Short circuit, overload, over temperature, battery low, fan fault alarm Support
Protection Remote LCD Communicat	D tion MENTAL	Short circuit, overload, over temperature, battery low, fan fault alarm Support
Protection Remote LCD Communicat	D tion MENTAL emperature	Short circuit, overload, over temperature, battery low, fan fault alarm Support USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional)
Protection Remote LCD Communicat ENVIRON Operating te	D tion MENTAL emperature perature	Short circuit, overload, over temperature, battery low, fan fault alarm Support USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional) 0°C~40°C
Protection Remote LCD Communical ENVIRON Operating te Storage temp	D tion MENTAL emperature perature	Short circuit, overload, over temperature, battery low, fan fault alarm Support USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional) 0°C~40°C 25°C~55°C(No battery)
Protection Remote LCD Communicat ENVIRON Operating te Storage temp Humidity rat	D tion MENTAL emperature perature	Short circuit, overload, over temperature, battery low, fan fault alarm Support USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional) 0°C~40°C 25°C~55°C(No battery) 0~95% (Non condensing)
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Protection Remote LCD Communicat ENVIRON Operating te Storage temp Humidity ran Altitude Noise level	D tion MENTAL emperature perature nge	Short circuit, overload, over temperature, battery low, fan fault alarm Support USB, RS232, RS485, parallel port, dry contact, intelligent slot, LBS, SNMP card (Optional), relay card (Optional) 0°C~40°C 25°C~55°C(No battery) 0~95% (Non condensing) <1500m, derating required when>1500m