

POWER SOLID ONLINE UPS

PS-POU80K3#50BC0KR

80 KVA



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 30 pieces 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 or capacitive 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-POU80K3#50BC0KR
Capacity(VA/Watts)		80KVA / 80KW
INPUT		
Nominal voltage		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 voltage		380/400/415Vac (3Ph+N+PE)
Voltage regulation		±1%
Power factor		1.0
Output frequency	Line Mode	±1%/±2%/±4%/±5%/±10% of the rated frequency (Optional)
	Bat. Mode	(50/60±0.2%)Hz
Crest factor		3:1
Harmonic distortion (THDv)		≤2% with linear load ≤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
EFFICIENCY		
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 FEATURES		
Transfer time		Utility to Battery: 0ms; Utility to Bypass: 0ms
Backfeed protection		Support
Alarm		Overload, utility abnormal, UPS fault, battery low, etc
Protection		Shortcircuit, 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		<1500m, derating required when>1500m
Noise level		<60dB
PHYSICAL		
Dimension W×D×H (mm)		250x 828 x 868
Net weight (kg)		140
STANDARDS		
Safety		IEC/EN62040-1, IEC/EN62477-1
EMC		IEC/EN62040-2 (IEC 61000-2-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-11)