



## PS-POU80K3#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

<b>MODEL</b>		<b>PS-POU80K3#50BC0KR</b>
Capacity(VA/Watts)		80k / 80k
<b>INPUT</b>		
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	
<b>OUTPUT</b>		
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) (50/60±0.2%)Hz
	Bat. Mode	
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
<b>EFFICIENCY</b>		
Efficiency	up to 95.5%	
<b>BATTERY</b>		
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.	
<b>SYSTEM FEATURES</b>		
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)	
<b>ENVIRONMENTAL</b>		
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	
<b>PHYSICAL</b>		
Dimension WxDxH (mm)	250x 828 x 868	
Net weight (kg)	140	