

POWER SOLID ONLINE UPS

PS-POU100K3#48BC0K

100 KVA



Features

- ▶ 3 level IGBT rectifier and inverter
- ▶ High Efficiency up to %96.5
- ▶ Output PF 1.0
- ▶ High ambient temperature up to 50 °C
- ▶ Fault Trace Management
- ▶ Colorful LED bar

APPLICATIONS



FINANCE



TELECOM



MEDICAL



DATA CENTER



ELECTRICITY



INDUSTRIAL



TRANSPORTATION



COMMERCIAL BUILDINGS

Technical Specifications

MODEL	PS-POU100K3#48BC0K
Capacity (KVA)	100
INPUT	
Voltage (Vac)	380/400/415 (138~485 L-L)
Frequency (Hz)	40~70
Power Factor	≥0.99
Phase	3Φ4W+PE
THDi	≤2% (linear load, full load); ≤3% (nonlinear load, full load)
BYPASS	
Bypass Voltage (Vac)	380/400/415; -20%~+15%
Frequency Range (Hz)	50/60(±5%/+10%)
Overload	≤130%: long run; 131%-150%: 5min; 151%-200%: 1s; 201%-300%: 100ms; >300%: protect immediately
OUTPUT	
Power Factor	1 (0.5 leading to 0.5 lagging)
Voltage (Vac)	380/400/415±1%
Frequency (Hz)	50/60±0.1% (Battery mode)
Phase	3Φ4W+PE
Three Phase Difference	≤1%
load %100 THDv with	<1% at linear load, <3% at non-linear load
Transfer Time (ms)	0
Efficiency	Up to 96.5%
Overload	≤105%: Long run; 106%-110%: load: 60 mins, 111%-125% load: 10 mins, 126%-150% load:1 min, >150% load: 200ms
BATTERY	
Battery Voltage (Vdc)	±240(±168 ~±288 adjustable)
BATT Type	External
Charging Current (A) MAX	30
PHYSICAL	
Dimension (W×D×H) (mm)	400×960×1200
Weight (Standard) (kg)	161
GENERAL	
CommunicationInterface	RS485, MODBUS, dry contact (RS232, SNMP, expand dry contact card are optional in slot)
Display	4.3-inch Touch screen+LED+LED bar
Alarm	AC input abnormal, low battery, overload, failure
Protection	Output short-circuits, overload, over-temperature, battery low voltage, output over/low voltage
Noise (dB)	<65
IP	20
Altitude(m)	0-2000 no derate. 2000-3000 m derate power by 1 % per each 100 m increase
Working Temperature °C	0 ~ 40 no derate, 40~50 auto derate.
Relative Humidity	0 ~ 95%, no condensation