



PS-POU80K3#48BC0K

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

THE CROWN OF POWER SOLUTION



Applications



FINANCE



Telecom



MEDICAL



DATA CENTER



Electricity



INDUSTRIAL



Transportation



Commercial Buildings

General Features

Model	PS-POU80K3#48BC0K
Capacity (KVA)	80
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%
THDv with 100% load	<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)	±192(±168 ~±288 adjustable)
BATT Type	External
Charging Current (A) MAX	30
Physical	
Dimension (W×D×H) (mm)	400x960x1200
Weight (Standard) (kg)	159
GENERAL	
Communication Interface	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