



PS-POU20K31#20BC0A

Features:

- >> True double-conversion
- >> DSP technology guarantees high performance
- >> Output power factor 0.9
- >> Wide input voltage range (110-300 VAC)
- >> Active power factor correction in all phases
- >> Built-in phase auto adapt function simplifies wire installation
- >> 50Hz/60Hz frequency converter mode
- >> ECO mode operation for energy saving
- >> Emergency power off function (EPO)
- >> Maintenance bypass available
- >> Optional N+X parallel redundancy



Applications

**FINANCE****MEDICAL****DATA CENTER****INDUSTRIAL**

General Features

Model		PS-POU20K31#20BC0A
Phase		Three-Phase in / Single-Phase out
Capacity (VA / Watt)		20000VA / 18000W
Input		
Nominal Voltage		3 x 400 VAC (3Ph+N)
Voltage Range		190-520 VAC (3-phase) @ 50% load: 305-478 VAC (3-phase) @ 100% load
Frequency Range		46- 54Hz or 56-64Hz
Power Factor		0.99@ 100% Load
THDi		< 6%@ 100% load
Output		
Output Voltage		208/220/230/240 VAC
AC Voltage Regulation (Batt. Mode)		±1%
Frequency Range		46 ~ 54 Hz or 56 ~ 64Hz
Frequency Range (Batt. Mode)		50 Hz± 0.1 Hz or 60Hz± 0.1 Hz
Current Crest Ratio		3:1 (max.)
Harmonic Distortion		≤2 % THO (Linear Load ≤5 % THD (Non-linear Load)
Transfer Time	AC to Battery	Zero
	Inverter to Bypass	Zero
Wave Form		Pure Sine Wave
Efficiency		
AC Mode		91.8%
Battery Mode		97%
ECO Mode		88%
Battery		
Battery Type		12V / 9AH
Numbers		20
Typical Recharge Time		9 Hours recover to 90% capacity
Charging Current		2A
Charging Voltage		273 VDC ± 1 % (Based on 20pcs batteries)
Indicators & Alarm		
LCD Display		UPS Status, Load Level, Battery Level, Input/Output Voltage, Discharge Timer, and Fault conditions
Battery Mode		Sounding every 4 seconds
Low Battery		Sounding every second
Over Load		Sounding twice every second
Fault		Continuously sounding
Physical		
Dimension, D x W x H(mm)		815 X 250 X 826
Net Weight (kgs)		164
Environment		
Humidity		0-95% RH @0-40°C (non-condensing)
Noise Level (dB)		>60dB @ Meter
Management		
Smart RS-232 / USB		Support Windows® 2000/2003/XP/Vista/2008, Windows® 7/8/10/11 Linux, Unix, and MAC
Optional SNMP		Power management from SNMP manager and web browser