

POWER SOLID ONLINE UPS

PS-POU20K31#20BC9A

20 KVA

Features

- ▶ True double-conversion
- ▶ DSP technology guarantees high performance
- ▶ Output power factor 0.9
- ▶ Wide input voltage range (300-110 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



Technical Specifications

Model		PS-POU20K3I#20BC9A
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 % THD (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		Lead Acid
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