



PS-POU20K31#20BC9A

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#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 % 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	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	