



# PS-POU80K3#40BC0A



## Features:

- >> Output power factor 1.0
- >> True double conversion
- >> DSP technology guarantees high reliability
- >> Active power factor correction in all phases
- >> Maintenance bypass available
- >> Smart battery charger design to optimize battery performance
- >> Adjustable battery design (32~40 pcs.)
- >> 50Hz/60Hz frequency converter mode
- >> ECO mode operation for energy saving
- >> Emergency power off function (EPO)
- >> Parallel up to 6 units with common battery pack
- >> Adjustable charging current
- >> Optional touchscreen color LCD 5

## General Features

MODEL		PS-POU80K3#40BC0A	
Capacity (kVA)		80 kVA	
Capacity (kW)		80 kW	
Parallel Capacity		6	
Input			
Nominal Voltage		3 x 380/400/415 (3F+N)	
Voltage Range		-30% & +20%	
Frequency Range		40~70Hz	
Power Factor		≤ 0.99 @ 100% load	
Harmonic Distortion		≤ 5% full load	
Output			
Output Voltage		3 x 360V/380/400/415 VAC (3Ph+N)	
AC Voltage Regulation		± 1%	
Frequency Range (Sync.R Range)		46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60 Hz ± 0.1 Hz	
Current Crest Ratio		3:1 (max)	
Harmonic Distortion		< 1% THD (Linear Load) ≤ 3% THD (Non Linear Load)	
Transfer Time	AC mode to Batt.	zero	
	Inverter to Bypass	zero	
Overloaded	AC Mode	100 - 110% for 60 min., 111-125% for 10 min. 126% ~150% for 1 min; >150% or 400ms	
Efficiency			
AC Mode		% 96	
ECO Mode		% 99	
Battery Mode		% 96	
Battery			
Standard Model	Battery Type		
	Typical Recharge Time		
	Numbers		
	Charging Voltage		N/A
Long-Run Model	Charging Current (max.)		
	Numbers		
	Charging Current (max.)	2A~32A (Adjustable)	
	Charging Voltage		+/-13.65V x N (N= 16-20)
Indicators			
LCD Display		UPS status, load level, battery level, Input/Output voltage, discharge timer and fault conditions	
Physical			
Standard Model	Dimensions DxWxH (mm)		N/A
	Net Weight (kg)		
Long-run Model	Dimensions DxWxH (mm)	790 x 360 x 1010	
	Net Weight (kg)	113	
Environment			
Operation Temperature		0~40°C	
Operation Humidity		<95% and non-condensing	
Noise Level (from 1 meter)		Less than 65 dB @ 1 meter	
Management			
Smart RS 232 / USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/ 8/10, Linux and MAC	
SNMP (Optional)		Power management from SNMP management and web browser	