



PS-POU100K3#40BC0A

Features:

- >> Common mode noise rejection
- >> Optional isolation transformer offers full isolation and complete performance
- >> 3-stage extendable charging design for optimized battery Maintenance bypass available
- >> Adjustable battery numbers
- >> Generator compatible
- >> Power walk-in function
- >> Parallel operation up to 4 units with common battery
- >> Dual AC inputs
- >> Emergency power off function (EPO)
- >> Active power factor correction in all phases
- >> Front access design for easy maintenance
- >> Pluggable power module design
- >> Output power factor 1.0
- >> DSP technology guarantees high performance

General Features

MODEL		PS-POU100K3#40BC0A	
PHASE		3-phase in / 3-phase out	
CAPACITY		100KVA / 100KW	
PARALLEL CAPABILITY		4	
INPUT			
Nominal Voltage		3 x 360/380/400/415 VAC (3Ph+N)	
Voltage Range		110-300 VAC @ 50% load ; 176-276 VAC @ 100% load	
Frequency Range		40~70 Hz	
Power Factor		≤ 0.99 @ 100% load	
Harmonic Distortion (THDI)		< 4% at full linear load	
OUTPUT			
Output Voltage		3 x 360*/380*/400/415 VAC (3Ph+N)	
AC Voltage Regulation (Batt. Mode)		± 1%	
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz	
Frequency Range (Batt. Mode)		50/60 Hz ± 1%	
Current Crest Ratio		3:1 (max.)	
Harmonic Distortion		≤ 2 % THD (Linear Load) ; ≤ 5 % THD (Non-linear Load)	
Transfer Time	AC mode to Battery mode	Zero	
	Inverter to Bypass	Zero	
Waveform (Batt. Mode)		Pure Sinewave	
Overload Capability		100-110% for 60 min, 111-125% for 10 min, 126%~150% for 1 min; >150% immediately shutdown	
BYPASS			
Nominal Voltage		3 x 360/380/400/415 VAC (3Ph+N)	
Voltage Range		305VAC~457VAC	
Frequency Range (Synchronized Range)		46~54Hz or 56~64Hz	
Overload Capability		> 130% 1 minute (default) ; Continuously working until breaker protection (optional)	
EFFICIENCY			
AC Mode		94.8%	
ECO Mode		98.5%	
Battery Mode		93.8%	
BATTERY			
Battery Type		Depending on application	
Battery Numbers		32~40 pcs (Adjustable)	
Charging Current (max.)		2-36A, Adjustable	
Charging Voltage		+/-13.65V*N (N = 16~20)	
INDICATORS			
Touch color LCD Panel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
PHYSICAL			
Dimension, D x W x H (mm)		974 x 600 x 1600	
Net Weight (Kgs)		241	
ENVIRONMENT			
Operating Temperature		0-40°C	
Operating Humidity		< 95 % and non-condensing	
Altitude**		0 ~ 1000m at full load	
Noise Level		Less than 75 dB @ 1 Meter	
MANAGEMENT			
Smart RS-232/USB		Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7/8, Linux and MAC	
Optional SNMP		Power management from SNMP manager and web browser	