

# **POWER SOLID**

## **3 PHASE ONLINE UPS**

PS-POU120K3#40BC0A

# **120 KVA**

### **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



## Technical Specifications

<b>Model</b>	<b>PS-POU120K3#40BC0A</b>	
<b>PHASE</b>	3-phase in / 3-phase out	
<b>CAPACITY</b>	120KVA / 120KW	
<b>PARALLEL CAPABILITY</b>	4	
<b>INPUT</b>		
Nominal Voltage	3 x 380/380/400/415 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	
<b>OUTPUT</b>		
Output Voltage	3 x 380*/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	
<b>BYPASS</b>		
Nominal Voltage	3 x 380*/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)	
<b>EFFICIENCY</b>		
AC Mode	94.3%	
ECO Mode	98.5%	
Battery Mode	93.8%	
<b>BATTERY</b>		
Battery Type	Depending on application	
Battery Numbers	32~40 pcs (Adjustable)	
Charging Current (max.)	2.55A, Adjustable	
Charging Voltage	+/-13.65V*N ( N = 16~20)	
<b>INDICATORS</b>		
Touch color LCD Panel	UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	974 x 600 x 1600	
Net Weight (Kgs)	286	
<b>ENVIRONMENT</b>		
Operating Temperature	0-40°C	
Operating Humidity	< 95 % at off-non-condensing	
Altitude**	0 ~ 1000m at full load	
Noise Level	Less than 75 dB @ 1Meter	
<b>MANAGEMENT</b>		
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	