

# Online UPS 1Phase Out

## PB Series 5~15KVA

**ISOLATION  
TRANSFORMER**  
advantage of  
NOISE REJECTION



The advance IGBT inverter, coupled with an isolation transformer, enhances the reliability and load adaptability. This unique construction for input and output isolation provides the advantages of noise rejection as well as clean and safe neutral line to the load, enables PB UPS to be used with critical load applications.

### Features:

- True Online Double Conversion Design
- Output Isolation Transformer
- Wide Input Voltage Range
- User Friendly Digital LCD Display
- Cold Start Function
- High Crest Factor Circuit Design
- Advance Battery Management
- Inbuilt High-Rated Charger enable Battery Backup up to 2-10 Hrs.
- IGBT based charger for smart battery management & improve input powerfactor

### Rear Panel

1. Fan
2. Input Switch
3. Maintenance Switch
4. Terminal
5. Com Port



Front LCD Display



- Wide Input Frequency Range ensure all types of fuel generators connected work stable.
- Optimization of high performance of battery.
- Advanced floating switching and charging technology maximized the activation of the battery, thus saves the charging time and extends the battery life.
- Battery cold start function.
- The UPS can be start directly by battery group when no utility access in which meets the emergency needs of user.
- Comprehensive and reliable protection
- self-diagnosis function before start-up.
- The multi-protections such as overload, short circuit, over temperature. battery under voltage, battery over voltage and ensure the system stability and reliability.
- Solar compatibility (Optional)
- Static bypass (Optional)

## ▶ Technical Specifications of PB Series 5~15KVA

MODEL	PBi1105L10	PB1105L16	PB1105B16	PB1106L16	PB1106B16	PB1108L16	PB1110L16	PB1115L16
Capacity (KVA)	05			06		08	10	15
<b>INPUT</b>								
Voltage Range	160V~280V AC, Single Phase (3 Wire, L+N+PE)							
Frequency Range (Hz)	50Hz ±10%							
<b>OUTPUT</b>								
Power Factor	0.8 (Standard), 0.9 (Optional)							
Voltage (V)	220V / 230V / 240V ±1% (L+N+PE)							
Frequency (Hz)	50Hz ±0.1%							
Waveform	Pure Sine Wave							
THDv	< 3% on Linear Load.							
Efficiency	Up to 93%							
Overload	≤125% for 10 Min, ≥125% for 60 Sec, 150% for 1 Sec.							
Isolation Transformer	Inbuilt Isolation Transformer							
<b>BATTERY</b>								
Battery Voltage	120V DC	192V DC (168V and 180V DC Optional)						
Charging Current (Max)	1A ~ 10A Standard (High Rating Optional)							
Charging Time	< 10 Hrs. to 95%							
<b>SYSTEM FEATURES</b>								
Display	LCD	Input and Output Voltage, Input and Output Frequency, Load & Battery %						
	LED	Mains, AC Mode, DC Mode, Low Battery and Overload						
Alarm	Battery Low Voltage, Abnormal Power Supply, UPS Failure, Overload							
Protection	Battery Low Voltage, Overload, Short Circuit and Over/Voltage							
<b>ENVIRONMENT</b>								
Temperature	Operating: 0~45°C, Storage: -10°C ~ 55°C							
Humidity / Altitude	0~95% RH Non-condensing / <1500 M							
Noise	Low Audible Noise Level							
<b>STANDARD</b>								
Quality	ISO 9000, ISO 14001, OHSAS 18001, ISO 27001, BIS, RoHS							
Safety	IEC/EN62040-1							
EMC / Protection	IEC/EN62040-2; IEC/EN62040-3, Complying to CE							
<b>PHYSICAL</b>								
Dimension WxDxH (mm)	250x550x500		250x550x680	250x550x500	250x550x680	280x615x685		350x650x785
Weight (Kg)	54	51	98	52	99	73	76	104
<b>COMMUNICATION INTERFACE</b>								
Optional	SNMP / ModBus / Dry Contact / USB / RS-485 / RS-232							
Monitoring Software	NetAgent Utility v5.8 / View Power / UPSilon 2000 / Muser 4000							

\*Specifications are subject to change without prior notice.