

10kVA ~ 30kVA
(3:3)
PF 1.0

Application

- IDC data exchange room
- ISP, computer room
- Bank/bond clearing center
- Industrial process control applications
- Precision instruments and equipment

Features

- Advanced dual core DSP control technology and 3-level technology
- Active power factor correction technology, input power factor up to 0.99
- System efficiency improved to 93%, energy saving rate is doubled
- Output power factor 1.0
- Dual input design, supporting independent bypass
- Advanced digital and parallel technology, providing higher reliability than single system
- Wide input voltage range, 50/60Hz auto-sensing frequency
- 50Hz/60Hz auto-sensing frequency
- 50Hz/60Hz frequency conversion mode
- Working efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Conformal coating technology to make UPS operate in harsh environment for a long time
- Digitally controlled charger (Max.10A) with Advanced Battery Management
- Ability to switch on the UPS by battery in the absence of mains power (cold start)
- Zero switchover time for UPS power supply mode when the mains power is unstable, ensuring the output is uninterrupted
- 5 inches LCD colorful touch screen, friendly human & machine interface
- Powerful background software for parameters configuration and online upgrade
- Advanced multi-platform communication for UPS monitoring: RS232, USB, RS485, dry contacts, SNMP card, Wi-Fi card and GPRS card
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, USB, RS485, EPO, dry contacts, parallel port
- Optional SNMP card, Wi-Fi card, GPRS card and SMS alarms
- Built-In EMI/RFI surge suppression
- Typical backup time: up to 12 min @ full load *



Specifications

MODEL	PB-3310		PB-3315		PB-3320		PB-3330	
Capacity	10 kVA / 10 kW		15 kVA / 15 kW		20 kVA / 20 kW		30 kVA / 30 kW	
INPUT								
Rated voltage	208/220Vac (3Φ + N + PE)							
Voltage range	166-261Vac, full load 125-166Vac, load decrease linearly according to the min phase voltage							
Rated frequency	50 / 60 Hz							
Frequency range	40Hz~74 Hz							
Power factor	> 0.99							
Bypass voltage range	Selectable, default -20%~+15% Up limited: +10%, +15%, +20%, +25%; Down limited: -10%, -15%, -20%, -30%, -40%							
Bypass frequency range	Selectable, ±1Hz, ±3Hz, ±5Hz							
Input current THDi	<3% (full linear load)							
Bypass overload	<125%: long term operation; 125%~130%: 10min; 130%~150%: 1min; 150%~400%: 1s; >400%, less than 200ms							
OUTPUT								
Rated voltage	208/220Vac (3Φ + N + PE)							
Voltage regulation	±1% (full linear load)							
Frequency	Synchronized with utility in mains mode, 50/60 Hz ±0.1% in battery mode							
Waveform	Sinusoidal							
Power factor	1							
Crest factor	3:1							
Output voltage THDv	<1% (full linear load) <3% (full non-linear load according to IEC/EN62040-3)							
Overload	<110%, 60min; 110%~125%, 10min; 125%~150%, 1min; >150%, 200ms							
BATTERIES								
Long run model battery voltage	±120VDC ~ ±168VDC (default ±120VDC)							
Standard model inbuilt battery	(10+10) x 9AH	(10+10) x 7AH x 2 strings	(10+10) x 9 AH x 2 s trings		(10+10) x 9 AH x 3 s trings			
Charger power	10A max				15A		20A	
Charger voltage precision	1%							
Recharge time	Standard model: 90% capacity restored in 8 hours; Long time model: depend on the capacity of battery							
SYSTEM								
Efficiency	93% Max 98% in Eco mode							
Transfer time	0 ms							
Max. number of parallel connections	4							
Protections	Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure							
Interface	Standard: RS232, RS485, USB, Battery cold start Option: Programmable dry contact, SNMP, Parallel kit							
Display	LED + 5 inch LCD touch screen							
OTHERS								
Operating temperature	0℃ ~ 40℃							
Storage temperature	-40℃ ~ 70℃							
Relative humidity	0 ~ 95% (Non-condensing)							
Altitude	<1000m, load derated 1% per 100m from 1000 ~ 2000m							
IP rating	IP 20							
Noise (1 meter)	60dB Max.				62dB Max.			
Module dimension (W x D x H, mm)	250 x 720 x 560 (H) 250 x 800 x 700 (S)	250 x 840 x 650 (H) 250 x 840 x 930 (S)		250 x 730 x 560 (H) 250 x 730 x 840 (S)		250 x 790 x 560 (H) 350 x 800 x 1050 (S)		
Packaged dimension (W x D x H, mm)	350 x 800 x 718 (H) 350 x 900 x 862 (S)	350 x 980 x 810 (H) 350 x 950 x 1 102 (S)		350 x 800 x 718 (H) 350 x 800 x 1000 (S)		350 x 850 x 718 (H) 450 x 900 x 1250 (S)		
Net weight (kg)	33 (H) 98 (S)		42 (H) 168 (S)		42 (H) 150 (S)		48 (H) 230 (S)	
Gross weight (kg)	42 (H) 109 (S)		52 (H) 180 (S)		52 (H) 160 (S)		58 (H) 245 (S)	

- All specifications are subject to change without notice.
- Custom-made specifications are acceptable.
- S means standard model, H means long time model.



*the user is responsible for managing the connected load.