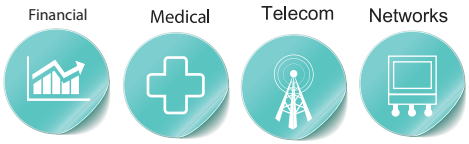
PW300H SERIES



Uninterruptible Power Supplies

IGBT RECTIFIER
DSP CONTROL
POWER FACTOR : 1

General Specifications :

- Advanced dual-core DSP control technology
- Output power factor 1.0
- Input power factor up to 0.99
- System efficiency improved to 96%, energy saving rate is doubled
- Dual input design, supporting independent bypass
- Wide input voltage range, 50 / 60 Hz auto-sensing frequency
- Flexible battery configuration setting, selectable battery numbers: 30 ~ 46 pcs
- Ability to switch on the UPS by battery in the absence of mains power (Cold start)
- Zero switching time for UPS power supply mode when the mains power is unstable
- 5 inches LCD colorful touch screen, friendly human & machine interface

pure wave power

3 phase in/3 phase out (30 - 120kVA)

Technical Specifications

Model	30kVA	40 kVA	60 kVA	80 kVA	100kVA	120 kVA
Rated capacity	30kVA/30KW	40 kVA/40 kW	60 kVA/60 kW	80 kVA/80 kW	100kVA/100kW	120 kVA/120 kW
Input						
Input wiring	Three-phase five line (3 Φ + N + PE)					
Rated voltage	380Vac/400Vac/415Vac (line voltage)					
Voltage range	304 Vac ~ 485 Vac (no downgrading)					
	138 Vac ~ 304 Vac (linear downgrading at 40% ~ 100% load)					
Frequency range	40 ~ 70 Hz					
Power factor	≥ 0.99@100% resistive load, ≥ 0.97@50% resistive load					
Total harmonic of input current (THDi)	≤ 3%@100% resistive load, ≤ 5%@50% resistive load					
Bypass frequency range	±5 Hz (±1 Hz/±2 Hz/±3 Hz/±4 Hz/±5 Hz/±6 Hz settable)					
Output						
Output wiring	Three-phase five line (3 Φ + N + PE)					
Rated voltage	380 Vac/400 Vac/415 Vac ±1% (line voltage)					
Output frequency	Mains mode: tracking bypass input in synchronous state;					
	Battery mode or frequency conversion mode or beyond the frequency tracking range: 50 Hz/60 Hz ± 0.1%					
Power factor	1					
Output waveform distortion (THDv)	≤ 1%@100% resistive load					
Crest factor	3:01					
Switching time	Mains mode - battery mode: 0 ms;					
	Inverter mode - bypass mode (synchronous switching): 0 ms;					
	Inverter mode -ECO mode (synchronous switching): 0 ms;					
Inverter overload capability	105% < load 110%, switching to bypass in 60 minutes;					
	110% < load 125%, switching to bypass in 10 minutes;					
	125% < load 150%, switching to bypass in 1 minute;					
	Load > 150%, switching to bypass in 0.2 seconds					
Battery						
Battery type	Lead-acid battery					
Battery voltage	360 Vdc ~ 552 Vdc (30 ~ 46 pcs selectable, 40 pcs by default)					
Equalizing charge voltage	2.31 V/Cell (settable to 2.30 ~ 2.40 V/Cell)					
Floating charge voltage	2.25 V/Cell (settable to 2.23 ~ 2.27 V/Cell)					
Maximum charging current	12A	12 A	24 A	24 A	36 A	
Charging temperature compensation	-3 mV/℃ for T ≥ 25℃ (-1 ~ -8 mV /℃ settable), 0 mV per℃ for T < 25 ℃					
System						
Display	5.0 inch touch color screen					
Protections	Output short circuit protection, output overload protection, over-temperature protection, low battery protection, output over/under-voltage protection, fan fault protection, etc					
Max. number of parallel connections	4					
Environmental						
Operating temperature	0 ~ 40℃					
Storage temperature	-25 ~ 55℃ (without battery)					
Humidity	0 ~ 95% (non-condensing)					
Altitude	≤ 1000 m; for above 1000 m, downgrading 1% for each additional 100 m; Max. 5000 m; 0 ~ 5000 m settable					
IP rating	IP 20					
Noise	≤ 65 dB (at 1 m)					
Communication						
Communication interface	Standard: RS232, RS485, USB, CAN, NET, EPO, LBS, parallel, input/output dry contacts, dual smart card slot, 1-way battery temperature sampling interface;					
	Optional: SNMP card, GPRS card, Wi-Fi card, battery temperature sensor, parallel cable, etc.					
Physical						
Wiring mode	Bottom cable entry					
Dimensions (W × D × H) (mm)	250x790x990		360 × 850 × 950	360 × 850 × 1200	440 × 850 × 1200	
Net weight (kg)	75	85	125	157	185	192

* Specifications are subject to be changed without prior notes

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