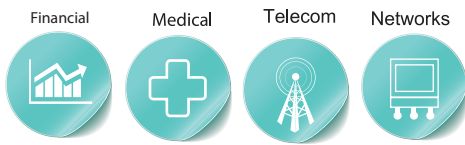


PW300H SERIES



Uninterruptible Power Supplies

IGBT RECTIFIER
DSP CONTROL

Range : 60-500kVA
Power Factor : 0.9



General Specifications :

- High efficiency, up to 96%
- High input PF>0.99 ; Input current THDi<3%
- Multi-protection, over-temperature protection with 8 sensors, over-load, battery under voltage, fan failures, short-circuit
- Four circuit breakers, providing full protection when fault happens
- Battery cold start
- Battery management with smart charging control, greatly extend the battery life
- High power density
- Parallel up to 1500kVA
- Friendly operation interface, high-resolution LCD screen

Technical Specifications

Model	PW360H	PW380H	PW390H	PW3100H	PW3120H	PW3150H	PW3200H	PW3250H	PW3300H	PW3400H	PW3500H	
Power Rating	60kVA	80kVA	90kVA	100kVA	120kVA	150kVA	200kVA	250kVA	300kVA	400kVA	500kVA	
Main Input												
Grid System	3 Phases + Neutral + Ground											
Rated Input Voltage	380/400/415VAC (Line-Line)											
Rated Frequency	50/60Hz											
Input Voltage Range	304~478Vac (Line-Line),full load 228V~304Vac (Line-Line),load decrease linearly according to the min phase voltage											
Input Frequency Range	40Hz~70Hz											
Input Power Factor	>0.99											
Input Current THDi	<3% (full Linear Load)											
Bypass Input												
Rated Bypass Voltage	380/400/415VAC (Line-Line)											
Rated Frequency	50/60Hz											
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											
Bypass Overload	125%, long time operation 125%< load <130%, last for more than 10 minutes 130%<load<150%,last for more than 1 minutes >150%, last for more than 300ms						110% Long term operation 110%~125% last for more than 5min 125%~150% last for more than 1min >150% last for more than 1s					
Output												
Rated Inverter Voltage	380/400/415VAC (Line-Line)											
Rated Frequency	50/60Hz											
Output Power Factor	0.9											
Voltage precision	±2%											
Transient Response	<5% for step load (20% - 80% -20%)											
Transient recovery	< 30ms for step load (0% - 100% -0%)											
Output Voltage THDu	<1.5% from 0% to 100% linear load <6% full non-linear load according to IEC/EN62040-3											
Inverter Overload	<110%, 60min; 110%~125%,10min; 125%~150%,1min; >150%,200ms											
Frequency Regulation	50/60Hz±0.01%											
Synchronized Range	Settable, ±0.5Hz ~ ±5Hz, default ±3Hz											
Synchronized Slew Rate	Settable, 0.5Hz/S ~ 3Hz/S, default 0.5Hz/S											
Battery And Charger												
Battery Rate Voltage	±240VDC											
Charger Voltage precision	1%											
Charger Power	max=20% *Output power											
Efficiency												
Normal Operation	>95%	>96%	>95%	>96%	>95%							>96%
Battery Operation	>95%	>96%	>95%	>96%	>95%							>96%
System												
Display	LED + LCD + touch screen											
Interface	RS232, RS485, USB,Programmable dry contact						RS232, RS485, USB,Programmable dry contact,battery cold start					
Option	Battery cold start,SNMP,AS400,parallel kit,Lightning protection components,Dust Filter,LBS						SNMP,AS400,parallel kit,Lightning protection components,Dust Filter,LBS					
Environmental												
Operation Temperature	0 ~ 40 °C											
Storage Temperature	-40 ~ 70 °C											
Relative Humidity	0 ~ 95% Non condensing											
Noise (1 meter)	65dB @ 100% load, 62dB @ 45% load											
Altitude	<1000m, Load derated 1% per 100m From 1000 ~ 2000m											
Physical data												
Cabinet Dimension(W*D*H,mm)	600*980*950	600*980*1150	600*980*1400	600*980*1150	600*980*1400	650*960*1600	650*960*1600	650*960*2000	650*960*2000	1300*1100*2000	1300*1100*2000	
Cabinet Weigh (kg)	170	210	231	210	266	305	350	445	490	810	900	

*Specifications are subject to be changed without prior notes

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