

Premium Dual

3.3-10kVA

Three-phase or Single-phase input
Single-phase output

Uninterruptible Power Supply

Main Features

- On-line double conversion
- Automatic bypass switch
- Input power factor >0.95
- Superior battery management
- 50 or 60Hz operation
- Wide input voltage range
- Programmable output
- Various battery options
- RS-232 & USB ports
- SNMP network card option
- Free software



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SPECIFICATIONS

MODEL	PD 3300	PD 4000	PD 5000	PD 6000	PD 8000	PD 10000
Rated Power (VA)	3300	4000	5000	6000	8000	10000
Power (W)	2300	2400	4500	5400	7200	9000
INPUT						
Nominal voltage	220 – 230 – 240 Vac					
Nominal frequency	50 or 60 Hz ± 5%					
Power factor	> 0.98					
Current distortion	≤ 7%					
BYPASS						
Voltage tolerance	180 – 264 Vac (selectable in Eco Mode and Smart Active Mode)					
Frequency tolerance	Selected frequency ±5%					
Overload times	125% for 4 seconds, 150% for 0.5 seconds					
OUTPUT						
Nominal voltage	220 - 230 - 240 Vac selectable					
Voltage distortion	linear load < 3%, non-linear load < 6%					
Frequency	50 Hz or 60 Hz selectable					
Static variation	± 1.5%					
Dynamic variation	≤ 5% in 20 msec					
Waveform	Sinusoidal					
Crest factor	3:1					
BATTERIES						
Type	Sealed lead acid					
Charging time	4-6 hours					
OTHER FEATURES						
Weight (kg)	38	40	62	64	94	95
Dimensions (hwd) (mm)	T – 455x175x520 R – (4U)x19"x483		T – 455x175x660 R – 4Ux19"x660		T – 2 x 455x175x660 R – 2 x 4Ux19"x660	
Communication	USB / RS232 / Slot for communications interface					
Compliance with Standards	EN 62040-1 EMC EN 62040-2 Directive 73/23 – 93/68 – 2004/108 EC EN 62040-3					
Ambient temperature	0°C / +40°C					
Relative humidity	<95% non-condensing					
Colour	Dark grey RAL 7016					
Noise level	<40 dBA @ 1m			<45 dBA @ 1m		

Specifications subject to change prior to notice

MODEL	PD 6500 TM	PD 8000 TM	PD 10000 TM
Rated Power (VA)	6500	8000	10000
Power (W)	5850	7200	9000
INPUT			
Nominal voltage	400 Vac Three-phase + N		
Nominal frequency	50 or 60 Hz \pm 5%		
Power factor	> 0.95		
BYPASS			
Voltage tolerance	180 – 264 Vac (selectable in Eco Mode and Smart Active Mode)		
Frequency tolerance	Selected frequency \pm 5%		
Overload times	125% for 4 seconds, 150% for 0.5 seconds		
OUTPUT			
Nominal voltage	220 - 230 - 240 Vac selectable		
Voltage distortion	< 3% with linear load / < 6% with non-linear load		
Frequency	Selectable: 50 Hz or 60 Hz		
Static variation	1.5%		
Dynamic variation	< 5% in 20 msec		
Waveform	Sinusoidal		
Crest factor	3:1		
BATTERIES			
Type	Sealed lead acid		
Charging time	4-6 hours		
OVERLOAD TIMES			
100% < Load < 110%	1 minute		
110% < Load < 150%	4 seconds		
Load > 150%	0.5 seconds		
OTHER FEATURES			
Weight (kg)	91	94	95
Dimensions (hwd) (mm)	T – 2x 660x175x455 R – 2x 4Ux19"x660		
Communication	USB / RS232 / Slot for communications interface		
Compliance with Standards	EN 62040-1 EMC EN 62040-2 Directive 73/23 – 93/68 – 2004/108 EC EN 62040-3		
Ambient temperature	0°C / +40°C		
Relative humidity	<95% non-condensing		
Colour	Dark grey RAL 7016		
Noise level	<45 dBA @ 1m		

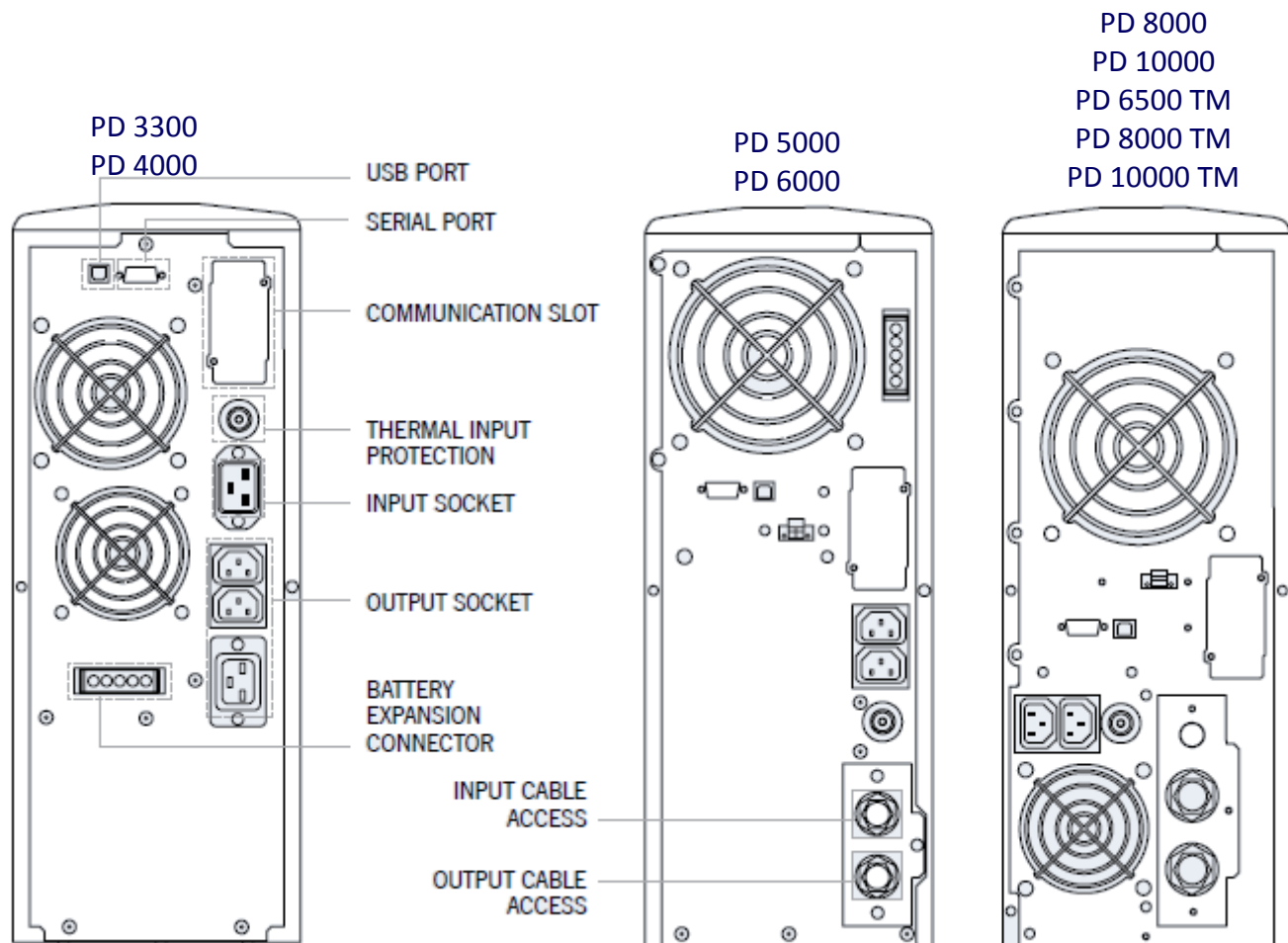
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Optional Extras

- SNMP Network Interface Card
- Relay Card (Volt-free contacts)
- External Manual Bypass Switch
- Extended Battery Back-Up Times
- Remote Alarm Panel
- 19" Rack-Mounted Units



ON-LINE	The inverter is on-line at all times to ensure the load is fully protected.
ECONOMY	The load is powered from the bypass. If the mains deviate outside tolerance, the load is transferred to inverter. When the mains return within tolerance, the load is re-transferred to bypass.
SMART ACTIVE	The UPS decides whether to operate in economy or on-line mode depending upon the quality of the mains supply.
STANDBY-OFF	The load is not powered until a mains failure occurs, at which time the load is powered by the inverter using battery power.



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