
PRODUCT OVERVIEW

Uninterruptible power supply systems

Standalone and modular portfolio

1 kVA to 5 MVA



UPS product overview

1 kVA to 5 MVA



	Single-phase		Three-phase	
GENERAL DATA	PowerValue 11 RT	PowerValue 11/31 T	PowerScale	PowerWave 33
UPS frame rated power	1/2/3/6/10kVA	10/20kVA	10/15/20/25/30/40/50kVA	60/80/100/120/160/200/250/300/400/500kW
UPS module rated power	–	–	–	–
UPS output rated PF	0.9	0.9	0.9	1.0
Max. no of parallel frames	Up to 2 units (model dependent)	Up to 4 units	Up to 20 units	Up to 10 units
Max no of parallel modules across frames	–	–	–	–
Max system power	20kVA	80kVA	1000kVA	5000 kW
Wiring	1-ph+N+PE	1-ph or 3-ph+N+PE (selectable)	3ph+N+PE	3ph+N+PE
UPS type	Rack or tower convertible	Standalone tower	Standalone tower	Standalone tower
Topology	Online double conversion	Online double conversion	Online double conversion	Online double conversion
INPUT				
Nominal input voltage	208, 220, 230, 240VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC
Voltage range	110 – 276VAC	1-ph 110 – 276VAC 3-ph 190 – 486VAC	161/280 – 264/460VAC	138/240 – 264/460VAC
Frequency range	45 – 55 Hz for 50Hz systems 54 – 66 Hz for 60Hz systems	45 – 55 Hz for 50Hz systems 54 – 66 Hz for 60Hz systems	35 – 70Hz	35 – 70Hz
Current THD at 100% load	≤5%	≤5%	≤3%	≤4%
Power factor at 100% load	≥0.99	≥0.99	≥0.99	≥0.99
OUTPUT				
Rated output voltage (load dependent)	208, 220, 230, 240VAC	220, 230, 240VAC	220/380, 230/400, 240/415VAC	220/380, 230/400, 240/415VAC
Voltage THD (with linear load)	≤2%	≤2%	<2%	<2%
Rated frequency	50 or 60Hz (selectable)	50 or 60Hz (selectable)	50 or 60Hz (selectable)	50 or 60Hz (selectable)
EFFICIENCY				
Double conversion	Up to 95%	Up to 94%	Up to 95.5%	Up to 96%
Eco-mode	95% (1-3 kVA); 97% (6-10 kVA)	97%	98%	99%
COMMUNICATIONS				
User Interface	LCD	LCD+LEDs	LCD+ mimic diagram	Graphical touch screen (optional on 60–200 kW) LCD+ mimic diagram (on 60–200 kW only)
Communication ports	USB, RS-232, SNMP slot, potential-free contacts (optional)	USB, RS-232, SNMP slot, potential-free contacts (optional)	USB (optional), RS-232, SNMP slot, potential-free contacts (optional)	USB, RS-232, SNMP slot, potential-free contacts
Software	monitoring and shutdown software available as option			



Three-phase			
DPA UPScale RI	DPA UPScale ST	Conceptpower DPA	Conceptpower DPA 500
10/20/40/80kW	40/60/80/120/200kW	150/250kVA	500kW
10/20kW	10/20kW	30/40/50kVA	100kW
1.0	1.0	0.8	1.0
1 subrack	Up to 4 frames	Up to 6 frames	Up to 6 frames
4 modules	20 modules	30 modules	30 modules
80 kW	400 kW	1500kVA	3000 kW
3ph + N + PE	3ph + N + PE	3ph + N + PE	3ph + N + PE
Modular (DPA)	Modular (DPA)	Modular (DPA)	Modular (DPA)
Online double conversion	Online double conversion	Online double conversion	Online double conversion
220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC
150/260 – 264/460 VAC	150/260 – 264/460 VAC	150/260 – 264/460 VAC	161/280 – 264/460 VAC
35–70Hz	35–70Hz	30–70Hz	35–70Hz
< 3%	< 3%	< 3%	< 3.5%
≥ 0.99	≥ 0.99	≥ 0.99	≥ 0.99
220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC
< 1.5%	< 1.5%	< 2%	< 2%
50 or 60Hz (selectable)	50 or 60Hz (selectable)	50 or 60Hz (selectable)	50 or 60Hz (selectable)
Up to 96%	Up to 96%	Up to 95.5%	Up to 96%
98%	98%	99%	99%
Module level LCD + mimic diagram Remote system display optional	Module level LCD + mimic diagram System graphical display	Module level LCD + mimic diagram	Module level LCD + mimic diagram System graphical display
USB, RS-232, SNMP slot, potential-free contacts	USB, RS-232, SNMP slot, potential-free contacts	USB, RS-232, SNMP slot, potential-free contacts	USB, RS-232, SNMP slot, potential-free contacts
monitoring and shutdown software available as option			

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