



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			
GENERAL DATA	PowerValue 11 RT	PowerValue 31/11 T	PowerScale	PowerWave 33
UPS frame rated power	1/2/3/6/10kVA	10/20kVA	10/15/20/25/30/40/50 kVA	60/80/100/120/160/200/250/300/400/500 kW
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	20 kVA	80 kVA	1000 kVA	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	True online double conversion	True online double conversion	True online double conversion	True online double conversion
INPUT				
Nominal input voltage	208, 220, 230, 240 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC
Voltage range	110 - 276 VAC (load dependent)	1-ph 110 - 276 VAC 3-ph 190 - 486 VAC	150/204 - 264/460 VAC (load dependent)	150/204 - 264/460 VAC (load dependent)
Frequency range	45-55Hz for 50Hz systems 54-66Hz for 60Hz systems	45-55Hz for 50Hz systems 54-66Hz for 60Hz systems	35-70Hz	35-70Hz
Current THD at 100% load	≤5% with linear load ≤7% with nonlinear load	≤5%	≤3%	≤3.5% (60-300 kW) ≤4% (400-500 kW)
Power factor at 100% load	≥0.99	≥0.99	≥0.99	≥0.99
OUTPUT				
Rated output voltage	208, 220, 230, 240 VAC	220, 230, 240 VAC	220/380, 230/400, 240/415 VAC	220/380, 230/400, 240/415 VAC
Voltage THD (with linear load)	≤2% with linear load ≤5% with nonlinear load	≤2%	<2%	<2%
Rated frequency	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)
EFFICIENCY				
Double conversion	Up to 93%	Up to 93%	Up to 95.5%	Up to 96%
Eco-mode	Up to 97%	Up to 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			
GENERAL DATA	DPA UPScale RI	DPA UPScale ST	Conceptpower DPA	Conceptpower DPA 500
UPS frame rated power	10/20/40/80 kW	80/60/120/200 kW	50/150/250 kVA	500 kW
UPS module rated power	10/20 kW	10/20 kW	30/40/50 kVA	100 kW
UPS output rated PF	1.0	1.0	0.8	1.0
Max. no of parallel frames	1 subrack	1 frame	up to 6 frames	up to 6 frames
Max no of parallel modules across frames	4 modules	10 modules	30 modules	30 modules
Max system power	80 kW	200 kW	1500 kVA	3000 kW
Wiring	3ph + N + PE	3ph + N + PE	3ph + N + PE	3ph + N + PE
UPS type	Modular (DPA)	Modular (DPA)	Modular (DPA)	Modular (DPA)
Topology	True online double conversion	True online double conversion	True online double conversion	True online double conversion
INPUT				
Nominal input voltage	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
Voltage range	150/204 - 264/460 VAC (load dependent)	150/204 - 264/460 VAC (load dependent)	150/204 - 264/460 VAC (load dependent)	150/204 - 264/460 VAC (load dependent)
Frequency range	35-70 Hz	35-70 Hz	35-70 Hz	35 - 70 Hz
Current THD at 100% load	<3%	<3%	<3%	<3.5%
Power factor at 100% load	≥0.99	≥0.99	≥0.99	≥0.99
OUTPUT				
Rated output voltage	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
Voltage THD (with linear load)	<1.5%	<1.5%	<1.5%	<2%
Rated frequency	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)	50 or 60 Hz (selectable)
EFFICIENCY				
Double conversion	Up to 96%	Up to 96%	Up to 96%	Up to 96%
Eco-mode	98%	98%	99%	99%
COMMUNICATIONS				
User Interface	Module level LCD + mimic diagram Remote system display optional	Module level LCD + mimic diagram Remote system display optional	Module level LCD + mimic diagram Remote system display optional	Module level LCD + mimic diagram System graphical touch screen (one per system)
Communication ports	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
Software	monitoring and shutdown software available as option			

Contact us

www.abb.com/ups
ups.sales@ch.abb.com

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