



Product overview

# Uninterruptible power supply systems Standalone and modular portfolio 1 kVA to 5 MVA

# UPS product overview 1 kVA to 5 MVA



GENERAL DATA	PowerVario		PowerValue 11	PowerValue 31	PowerScale
<b>Power range</b>	1/2/3kVA	4.5/6/8/ 10kVA	7.5/10/12kVA	7.5/10/15/20kVA	10/15/20/25/30/40/ 50kVA
<b>Output power factor</b>	0.8	0.9	0.7	0.7	0.9
<b>Max. output power: frame (unit)</b>	3kVA	10kVA	12kVA	20kVA	50kVA
<b>Max. output power: system</b>	30kVA	–	–	–	1MVA
<b>Output power modules</b>	–	–	–	–	–
<b>UPS-modules, pcs</b>	–	–	–	–	–
<b>Topology</b>	True online double conversion		True online double conversion	True online double conversion	True online double conversion
<b>Parallel configuration</b>	–	Up to 3 units	–	–	Up to 20 units
<b>UPS type</b>	Standalone		Standalone	Standalone	Standalone
<b>Weight (without batteries)</b>	Up to 30 kg		Up to 204 kg	Up to 204 kg	Up to 155 kg
<b>INPUT</b>					
<b>Nominal input voltage</b>	1 × 200 V/208 V/220 V/ 230V/240V + N		1 × 220 V/230 V/240 V + N	3 × 380 V/220 V + N 3 × 400 V/230 V + N 3 × 415 V/240 V + N	3 × 380 V/220 V + N 3 × 400 V/230 V + N 3 × 415 V/240 V + N
<b>Voltage tolerance</b> (Ref. to 3 × 400/230V or Ref. to 1 × 230V)	For loads =100% (–27%, +25%)		For loads < 100% (–23%, +15%) < 80% (–30%, +15%) < 60% (–40%, +15%)	For loads < 100% (–23%, +15%) < 80% (–30%, +15%) < 60% (–40%, +15%)	For loads < 100% (–23%, +15%) < 80% (–30%, +15%) < 60% (–40%, +15%)
<b>Input distortion THDi</b>	< 6% at 100%		< 10% at 100%	< 25% at 100% < 7–9% at 100% optional	< 3% at 100%
<b>Frequency</b>	50–60 Hz		35–70 Hz	35–70 Hz	35–70 Hz
<b>Power factor at 100% load</b>	0.99		0.98	0.95 (standard) 0.98 (optional)	0.99
<b>OUTPUT</b>					
<b>Rated output voltage</b>	1 × 208 V/220 V/230 V/ 240 V + N		1 × 220 V/230 V/240 V + N	1 × 220 V/230 V/240 V + N	3 × 380 V/220 V + N 3 × 400 V/230 V + N 3 × 415 V/240 V + N
<b>Voltage distortion (linear load)</b>	< 3%		< 2%	< 2%	< 2%
<b>Unbalanced load</b>	–		100% possible	100% possible	100% possible
<b>Crest factor</b>	3 : 1		3 : 1	3 : 1	3 : 1
<b>EFFICIENCY</b>					
<b>Overall efficiency</b>	Up to 92%		Up to 94.5%	Up to 94.5%	Up to 95.5%
<b>In eco-mode configuration</b>	Up to 98% (only 4.5–10kVA)		98%	98%	98%
<b>COMMUNICATIONS</b>					
<b>Communication ports</b>	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
<b>Customer input interface</b>	Remote shutdown		Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface
	<b>SINGLE PHASE</b>				<b>THREE PHASE</b>



PowerWave 33	DPA UPScale RI	DPA UPScale ST	Conceptpower DPA
60/80/100/120/160/200/ 250/300/400/500 kW	10/20/40/80 kW	40/60/80/120/200 kW	25/50/75/125/150/ 250 kVA
1.0	1.0	1.0	0.8
500 kW	80 kW	200 kW	250 kVA
5 MW	–	–	1.5 MVA
–	10/20 kW	10/20 kW	10/15/20/25/30/40/50 kVA
–	Up to 4 modules	Up to 10 modules	Up to 30 modules
True online double conversion	True online double conversion	True online double conversion	True online double conversion
Up to 10 units	–	–	Up to 6 units
Standalone	Modular (DPA)	Modular (DPA)	Modular (DPA)
From 230 kg up to 1000 kg	From 39 kg up to 136 kg	From 111 kg up to 389 kg	From 209 kg up to 439 kg
3 × 380 V / 220 V + N	3 × 380 V / 220 V + N	3 × 380 V / 220 V + N	3 × 380 V / 220 V + N
3 × 400 V / 230 V + N	3 × 400 V / 230 V + N	3 × 400 V / 230 V + N	3 × 400 V / 230 V + N
3 × 415 V / 240 V + N	3 × 415 V / 240 V + N	3 × 415 V / 240 V + N	3 × 415 V / 240 V + N
For loads	For loads	For loads	For loads
< 100 % (-23 %, +15 %)	< 100 % (-23 %, +15 %)	< 100 % (-23 %, +15 %)	< 100 % (-23 %, +15 %)
< 80 % (-30 %, +15 %)	< 80 % (-30 %, +15 %)	< 80 % (-30 %, +15 %)	< 80 % (-30 %, +15 %)
< 60 % (-40 %, +15 %)	< 60 % (-40 %, +15 %)	< 60 % (-40 %, +15 %)	< 60 % (-40 %, +15 %)
< 3.5 % at 100 %	< 3 % at 100 %	< 3 % at 100 %	< 3 % at 100 %
35–70 Hz	35–70 Hz	35–70 Hz	35–70 Hz
0.99	0.99	0.99	0.99
3 × 380 V / 220 V + N	3 × 380 V / 220 V + N	3 × 380 V / 220 V + N	3 × 380 V / 220 V + N
3 × 400 V / 230 V + N	3 × 400 V / 230 V + N	3 × 400 V / 230 V + N	3 × 400 V / 230 V + N
3 × 415 V / 240 V + N	3 × 415 V / 240 V + N	3 × 415 V / 240 V + N	3 × 415 V / 240 V + N
< 2 %	< 1.5 %	< 1.5 %	< 1.5 %
100 % possible	100 % possible	100 % possible	100 % possible
3 : 1	3 : 1	3 : 1	3 : 1
Up to 96 %	Up to 96 %	Up to 96 %	Up to 95.5 %
99 %	98 %	98 %	98 %
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
Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface	Remote shutdown, genset interface

**THREE PHASE**

# Contact us

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