

PowerValue 11 6-10 kVA

Reliable power for your vital IT equipment

Power protection for small and medium organizations

ABB's PowerValue 11 delivers a reliable and disturbance-free power to energize your electronic devices. As a True double conversion UPS, PowerValue 11 filters all disturbances from the power supply and gives the highest level of protection to a wide range of business critical applications.

Reducing running costs

PowerValue 11 was designed to deliver a solution that responds to all major concerns ensuring a minimized running cost. Its superior technical features minimizes the battery usage, prolongs the batteries lifetime and guarantees an easy maintenance of the system.

Extending the runtime and increasing the power

PowerValue 11 is suitable for applications with requirements for small or extended autonomies thanks to its integrated large charger. This hardware arrangement not only gives more flexibility in expanding the runtime of the units but it shortens the recharge time of the batteries increasing the level of availability and reliability of the system.

Increasing the power

The cabinets can operate in a parallel configuration to provide redundancy or to increase the system's total capacity up to 40 kVA (up to four units in parallel)

Monitoring your system

PowerValue 11 has multiple user interfaces and can be equipped with ABB's monitoring card that give a clear indication on the status of the network, of the UPS and of its batteries.

Additional beneficial features

- Eco-mode
- Auto self-testing system
- Temperature compensation system
- Fan speed control
- Reduced noise level
- Cold start
- Integrated maintenance bypass
- Generator compatible
- Input or output transformer compatible

Highlights

- Online double conversion
- Low total cost of ownership
- Extendable power range: from 6 to 40kVA
- N+X parallel redundancy
- Enhanced communication and monitoring solutions



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Technical specifications

GENERAL DATA	6000 VA	10000 VA
Output rated power [W]	5400 W	9000 W
Output power factor	0.9	
Topology	True online double conversion	
Inbuilt batteries	No	
INPUT		
Nominal input voltage	200 / 208 / 220 / 230 / 240 Vrms	
Input voltage tolerance	110-276 Vac (depending on the load)	
Input current THD	<5% at 100% load	
Frequency range	45-55 Hz / 54-66 Hz	
Power factor	≥0.99	
OUTPUT		
Rated output voltage	208 / 220 / 230 / 240 VAC	
Voltage tolerance (referred to 230 V)	<1% (static and dynamic)	
Voltage distortion	<2% linear load, <5% non-linear load (IEC / EN62040-3)	
Overload capability	Normal mode: 10 min.:105%-125% / 1 min.:125%-150% / 10s.:150-170% / 100ms.: >170% (0-35°C) 2 min.:105%-125% / 30 s.:125%-150% / 100 ms.: >150% (35-45 °C) Battery mode: 2 min.:105%-125% / 30 s.: 125%-150% / 100 ms.: >150%	
Nominal frequency	50Hz or 60Hz ±0.05Hz	
Frequency tolerance	45-55 Hz /54-66 Hz	
Crest Factor	3:1	
TRANSFER TIME		
Battery <-> inverter	0 ms	
Bypass <-> inverter	0 ms	
Inverter to Eco-mode	0 ms	
Eco-mode to inverter	<10 ms	
EFFICIENCY		
AC-AC	Up to 92%	
In eco-mode	Up to 96%	
ENVIRONMENT		
Protection rating	IP 20	
Storage temperature	-15 – +60°C	
Operating temperature	0–45°C	
Relative humidity	0–95% (Non-condensing)	
Altitude (above sea level)	1000 m without de-rating	
BATTERIES		
Types	VRLA, vented lead-acid, NiCd	
Battery charger	4 A	
COMMUNICATIONS		
User interface	LCD display	
Communication cards (option)	SNMP, AS400, Relay card	
COMPLIANCY		
Safety	IEC / EN 62040-1	
EMC	IEC / EN 62040-2	
Performance	IEC / EN 62040-3	
Manufacturing	ISO 9001:2008, ISO 14001:2004	
WEIGHT, DIMENSIONS		
Weight	25.5 kg	29.5 kg
Dimensions WxHxD	260 x 708 x 550 mm	

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