

ARVEY B2

Technical Data



AC Output

Continuous power	2.400 W / 3.000 VA
Frequency	3.600 W (10 s) 4.800 W (5 s)
Waveform	50 Hz
Voltage	Pure sine wave
Peak power	230 V AC \pm 5%
Efficiency DC-AC	up to 93 %

Battery

Capacity	2.400 Wh
Electric charge	50 Ah
Nominal voltage	48 V
Technology	LiFePO4 (Lithium Iron-Phosphate)
Charging time	3,5 h
Life cycles	>6.000 (25°C)
Design life	>10 years (25°C)

AC Input (Generator or grid)

Voltage	230 V AC (170 – 280 V AC possible)
Frequency	50 Hz (40 – 65 Hz possible)
Efficiency AC-AC	>95 %
Transfer time AC-Input to battery (UPS function)	10 ms

Photovoltaic

Power	max. 900 W
Open circuit voltage	max. 100 V
Effective voltage range	60 V to 88 V
Controller technology	MPPT
Efficiency	98 %

Connectors

Output	2x SCHUKO AC socket (VG96926-3, IP68)
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Input	1x SCHUKO AC input (VG96926-3, IP68) 1x PV connector (VG95234, IP67) 1x Communication port (VG96912, IP68)
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Applicability of IP classes	The IP classes of the connectors only apply to the connected state or with closed protective cap.
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Safety

AC-Output (both sockets)	Insulation monitoring Short circuit protection 16 A Overcurrent protection 30 mA, type B residual current protection
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AC-Input	Insulation monitoring Overcurrent protection
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Battery	Overcurrent protection Short circuit protection Deep discharge protection Overvoltage protection
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Device	Overheating protection
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General Data

Dimensions (L x W x H)	564 × 534 × 259 mm
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Weight	49,7 kg
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IP class	IP 54
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Operating temperature	-10°C to +50°C
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Storage temperature	-15°C to 60°C
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Relative humidity	<95% (no condensation)
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Cooling	active
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Casing colour	RAL7013 (olive green) or RAL1039 (sand beige)
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Warranty	2 years
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Certificates and standards

Device	VG 96968-1, CE (LVD, EMC, RoHS)
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Battery	CE, UN38.3, IEC62619, UL
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Housing	VG 95447 / AECTP Standards / MIL-STD-810 / MIL-STD-810 F / MIL-STD-285
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Info:

AXSOL's energy generation and storage systems can be ideally configured for any application thanks to their modular structure and are designed specifically for the customer. Send an [inquiry to info@axsol.eu](mailto:info@axsol.eu) with the requirements you want and we will make you an offer.