



AbAstris – Technische Spezifikationen (Industriesystem)

Battery Data

Battery Type	LFP
Nominal Voltage	768V
Operating Voltage Range	672~876V
Cell Rated Capacity	314Ah
Rated Capacity	241.15kWh
Rated Charge/Discharge Performance	0.5C
Composition	1P240S
Cycle Life	>6000 cycles (25°C, DOD 90%, 0.5P/0.5P, SOH 80%)
Thermal Management	Liquid cooling and heating

AC Output (On Grid)

Rated Output Power	120kW
Max. Output Current	190A
Rated Output Voltage	3/N/PE, 400V
Rated Output Frequency	50Hz/60Hz
Power Factor Adjustable Range	0.9 leading ... 0.9 lagging
DC Component	<0.5% I _n
THDi	<3% (@rated power)

AC Output (Off Grid)

Rated Output Power	120kW
Max. Output Current	191A
Rated Output Frequency	50Hz
Rated Output Voltage	3/N/PE 230/400V

Unbalanced Load Capacity	100%
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General Data

Ingress Protection	IP54
Fire Protection	Aerosols, water fire protection system
Relative Humidity	0~95%, non-condensing
Range of Working Temperature	-20■ ~ +50■
Altitude	4000m (>2000m derating)
Communication	RS485
Communication Protocol	Modbus
Nominal Dimension (W x H x D)	1000mm x 1330mm x 2350mm
Nominal Weight	≈2350kg
Delivery Method	Integral transportation

Certification

Certification	IEC 62619:2022, IEC 63056:2020, EN 62477-1:2012, IEC/EN 61000, EN 50549-1, EN 50549-10, TOR, G99, UN38.3
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