

World-Class Battery Manufacturer Magna 520 Outdoor Battery System



The picture is for reference only, the actual item may vary.

AC/DC Outdoor Battery System

Magna-C&I-520

520 DC Cabinet-> Hybrid Microgrid Inverter

Application Scenarios:

Off-grid mines, islands, farms, and remote villages

Key Benefits:

Integrated MPPT, transformer, STS and bypass; supports 100% unbalanced loads; seamless on/off-grid switching for PV-storage-diesel coordination

520 DC Cabinet-> PCS Combiner Cabinet

Application Scenarios:

Peak shaving, demand control, capacity expansion, and backup power for C&I users

Key Benefits:

Integrated PCS and AC distribution with intelligent EMS; System efficiency > 90%



Product Type	Magna-C&I-520
Product Category	Magna-C&I-520
Battery System Configuration	260S2P
Rated Power	≤0.5P/0.5C
Rated Energy	522 kW
Maximum Depth of Discharge (DOD)	0-100%
Rated Voltage	400 V@50/60Hz
Rated Charge/Discharge Power (kW)	125 / 125/250
Rated Charge/Discharge Current (A)	182 / 182/364
Cell Type	314 Ah 3.2 V
Nominal Voltage (V DC)	832
Operating Voltage Range (V DC)	728 - 936
Cycle life	≥8000 (25 °C, 0.5C, EOL70%)
System Efficiency	≥88% (25 °C)
Noise Level	≤75 dB
Dimensions T-W-H	Battery cabinet :117515002500 mm Combiner cabinet:105011001800 mm
Operating Altitude (m)	≤2000
Communication Protocol	LAN/485
Product Category	Magna-C&I-520
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Rated Energy	522 kW
Compliance & Certification	UL1973/UL9540A/UN38.3/UN3536/IEC62477/IEC62619/ IEC60730/IEC61000/NFPA68/69/70E