



Battery

Residential ESS - EU/CA

This series products are compact solution for energy storage or backup needs of home user or smaller business.

It can provide backup power to avoid losses when power stopping. Moreover, It can store power from solar charging power during the day time or from grid power during low-price period and supply power during high-price or heavy loading period to achieve the purpose of saving energy and electricity bills.

Product HIGHLIGHT



Safe & Stable: Built with LFP cells and enhanced safety design; 314 Ah large-capacity cells deliver long-lasting, stable performance.



Weather-Resistant & Smart: Optional heating function supports charging in low-temperature environments for stable all-weather operation.



Flexible Installation: Quick-connect design for easy installation, with capacity options ranging from 16.08 kWh to 257.28 kWh; IP65 rated for both indoor and outdoor installation.

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General Infomation	
Battery type	LiFePO4
Rated capacity	314 Ah
Total energy	16.08 kWh
Rated voltage	51.2 V
Voltage range	44.8 - 58.4 V
Max. continuous charging/ discharging current	160 A
Peak charging/discharging current	240 A (10s)
Communication	CAN
Recommended depth of discharge	90%
Max. parallel quantity	16
Protection	
Overvoltage and undervoltage protection	Integrated
Overcurrent protection	Integrated
Overtemperature and undertemperature protection	Integrated
DC breaker	Integrated
Heating	Optional
Mechanical	
Dimensions (W × H × D)	410 × 824 × 236 mm
Weight	115 kg
Installation environment	Indoor / Outdoor
Mounting	Wall-mounted / Floor-standing
Accessories	Wall-mounted bracket (Optional) / Wheels (4 pcs) (Optional)
Charging temperature	0 to +55 (°C)
Discharging temperature	-20 to +55 (°C)
Protection degree	IP65
Cooling	Natural convection
Altitude	≤ 2000 m
Cycle life (25°C, 0.5C)	8000 Cycles, 90% DOD, 70% EOL
Certification	IEC 62619, UN 38.3, CE-EMC
Warranty	5-10 Years

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