Homate Series

Residential ESS

Low Voltage Battery System

Nominal Energy

5kWh





Key Features

- Intelligent control, dual safety protection
- Wide temperature range operation, adaptive to high and low temperatures in all weather conditions
- Wall-mounted design, efficient space utilization
- Multiple units can be operated in parallel, allowing for flexible capacity expansion

5.12 kWh	LFP	IP 65

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Low Voltage Battery System

Performance

Battery Type	Lithium Iron Phosphate
Rated Energy (kWh)	5.12
Rated Voltage (Vdc)	51.2
Rated Capacity (Ah)	100(1C)
Rated Charge Current (A)	50
Rated Discharge Current (A)	50
Max. Continuous Charge Current (A)	100
Max. Continuous Discharge Current (A)	100
Communication	RS485 / CAN2.0
Display	LED Light Panel/Display Screen(Optional)
Cycle Life	6000 cycles (@90%DOD 70%SOH)
Protection	Double Safety Control [Bms, Circuit Protection], Over-Temperature Protection,Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection
Parallel Connection	Up to 16 Units(81.92kWh)
Warranty Mechanical	5 Years (Standard)/10 Years (Optional)
Dimensions[W*H*D] (mm)	450*540*140
Weight (kg)	45

Environment

Storage Environment Temperature (°C)	-20 ~ +55
Discharge Temperature (°C)	-15 ~ +55
Charge Temperature (°C)	0 ~ +50
Relative Humidity	5% ~ 95%
Protection Level	IP65
Altitude (m)	⩽2000
Cooling	Natural Cooling
Installation	[Indoor / Outdoor] Floor Standing, Wall-mounted
Certification	UN 38.3

*Test Conditions - Temperature 25°C, at the beginning of life.
*Product specification may change without notice.

Notice: All data contained in this specification is subject to change without prior notice, and the final interpretation right belongs to Cora Dawn Solar.