

Container BESS

CS-5000-Y



Product Features

- 5.015 MWh large energy capacity, suitable for utility-scale and C&I ESS projects
- High-safety Lithium Iron Phosphate battery for stable long-term operation
- Up to 2500 kW charge/discharge power, supporting high-power applications
- Wide DC voltage range of 1164.8–1497.6V, compatible with high-voltage ESS systems
- ≥6000 cycles long service life, reducing maintenance and replacement costs
- IP55 protection with wide operating temperature range from -30°C to +55°C, suitable for complex environments

Technical Data

Model	CS-5000-Y
Battery Parameters	
Rated Capacity (MWh)	5.015 @ 0.5C, 25°C
Nominal Voltage (V)	1331.2 @ 0.5C, 25°C
Charge/Discharge Rate	≤0.5P / 0.5C
Recommended SOC Operating Range	5%~100%
Cycle Life	≥6000 cycles, 95% DOD, 80% EOL @ 25°C, 0.5C
Electrical Parameters	
Maximum Charge/Discharge Power (kW)	2500
DC Operating Voltage Range (V)	1164.8~1497.6V; 0°C<Temperature T ≤55°C
Standard Continuous Charge/Discharge Current (A)	942A×2 / 942A×2
Maximum Continuous Charge/Discharge Current (A)	942A×2 / 942A×2
System Parameters	
Dimensions (W × H × L) (mm)	6058(W) × 2896(H) × 2438(L)
Mass (t)	≈54
IP Rating	IP55
Corrosion Protection Rating	C3
Altitude (m)	≤4000
Environmental Parameters	
Storage Ambient Temperature (°C)	-30~+55
Operating Ambient Temperature (°C)	-30~+55
Relative Humidity	0%~95% RH

Note

Description	Unless otherwise specified, the above data refer to the Beginning of Life (BOL) condition. Temperatures not specified default to 25 ± 2°C.
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