

112 kWh Air-Cooled Energy Storage System Specification

Model: Cubex-112-DC

1. Battery Pack

Item	Parameter
Cell type	LFP 314 Ah
Cell capacity	314 Ah
Configuration	1P16S
Nominal voltage	51.2 V
Operating voltage range	40-58.4 V
Nominal energy	16.076 kWh
Standard charge/discharge rate	0.5C
Charging temperature	0-55 °C
Discharging temperature	-20 to 55 °C
Weight	117 ± 13 kg
Dimensions	440 × 845.5 × 250
Ingress protection rating	IP20
Cooling method	Forced air cooling
Fire suppression system	Built-in aerosol fire suppression

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2. Battery Cluster - DC Side

Item	Parameter
Cell type	LFP 314 Ah
Configuration	1P112S
Nominal voltage	358.4 V
Operating voltage range	280-408.8 V
Nominal energy	112.537 kWh
Standard charge/discharge rate	0.5C
Charging temperature	0-55 °C
Discharging temperature	-20 to 55 °C
Weight	Approximately 1,500 kg (subject to the actual product)
Dimensions	1200 mm × 1080 mm × 1950 mm (subject to the actual product)
Ingress protection rating	IP20
Cooling method	Forced air cooling

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