

3.44MWh Energy Storage System



Technical Specifications

No.	Project	Parameter	Remarks
1	System Nominal Energy	3440.640kWh	0.5C@25±2℃
2	System Nominal Voltage	1228.8V	384*3.2V
3	System Operating Voltage	1036.8~1382.4V	2.7~3.6V
4	System Configuration	10*1P384S	/
5	AC Power Supply Capacity	<30kW	AC380V
6	Single Cluster Charging - Max Charging Voltage - Standard Charging Current - Max Charging Current	1382.4V 140A 168A (continuous)	3.6V * number of cell strings 0.5C 0.6C
7	Single Cluster Discharging - Min Discharge Voltage - Standard Discharge Current - Max Discharge Current	1036.8V 140A 168A (continuous)	2.7V * number of cell strings 0.5C 0.6C
8	Normal Operating Temp. - Charge	0~55℃ -20~55℃	Charge/discharge currents at all temperatures per cell spec

No.	Project	Parameter	Remarks
	- Discharge		
9	Shipping SOC	25~50% SOC ± 5	N/A
10	Battery Prefab. Cabin Dimensions	6058*2438*2896 (± 10)	N/A
11	Battery Prefab. Cabin Weight	$\leq 42T$	Estimated; subject to actual measurement
12	Operating Ambient Humidity	20%~80%	N/A
13	Optimal Storage Temperature	25°C ± 2 °C	N/A
14	Protection Level	IP54	Container
15	Fire Protection	Equipped	Compartment-level aerosol + PACK-level fire protection
16	Liquid Cooling Unit Capacity	40kW	One unit, 40kW cooling capacity