

CESS-112S



Model	CESS-112S
System Specification	
Capacity Range	34.4 ~ 103.2 kWh (90% DoD)
Usable Capacity Range	31.0 ~ 92.9 kWh
Battery Chemistry	LFP (LiFePO4)
Battery Voltage	288 ~ 518 V
IP Protection	IP55 (outdoor)
Dimensions (W x H x D)	1500 x 900 x 2200 mm
Weight	185 kg
Operating Temperature Range	-10 ~ 50 °C
Humidity Range	0 ~ 95%, non-condensing
Altitude Range	0 ~ 2000 m
Cooling Mode	2 kW air conditioner
Warranty	3 Year Product Warranty, 10 Year Performance Warranty
EMC	EN 61000-6-2, EN 61000-6-4

Battery Technical Specification	
Module Model	M48112-S
Module Weight	65 kg
Module Dimension (W x D x H)	450 x 580 x 165 mm
Max. Charging/Discharging Current	112 A (1C)
Module Capacity	5.7 kWh
Module Nominal Voltage	51.2 V
Cycle Life	≥ 6000
Operating Temperature Range	-10 °C ~ 50 °C*

High Voltage Control Box Technical Specification

BMU Model	HV900112 (TOP BMU required with more than one cluster)
DC Voltage Range	200 ~ 900 V
Nominal Output Current	112 A
Battery Modules Connection	6 ~ 9 M48112-S in series in one cluster
Clusters Connection	Max. 20 clusters in parallel

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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