

Industrial and commercial ESS

This energy storage system is a distributed energy storage power source for industries and commerce. The system uses intelligent software to automatically calculate the power generation and power consumption, and the excess power will be automatically stored in the lithium-ion battery pack. The system has the features of high capacity, long life and high safety.



▲ This picture is for reference only, subject to the real thing !



Support on-grid and off-grid systems



equipped with fire protection system



The electrodes and busbars are designed with plastic slots to prevent leakage.



Built-in fan, balanced temperature



Multiple protection

Item	Value
Battery Cabinet Parameters	
Battery Cabinet Dimensions	1100x820x2160mm
Nominal capacity	280Ah
Nominal voltage	665.6V
Standard charge rate	0.3C/25°C
Maximum continuous discharge rate	0.4C/25°C
Energy	186kWh
Operating voltage range	624V-748.8V
Maximum Cell Charge Voltage	3.6V
Minimum cell discharge voltage	3.0V
Battery string Parameters	
Battery pack size	482.6X720X230mm
Nominal capacity	280Ah
Nominal voltage	51.2V
Standard charge rate	0.3C/25°C
Maximum continuous charge rate	0.4C/25°C
Energy	14.336kWh
Operating voltage range	44.8V-58.4V
Maximum Cell Charge Voltage	3.65V
Minimum cell discharge voltage	2.8
Insulation performance	≥1000Ω/V
Single cluster configuration information	
Battery pack	51.2V280Ah (13PCS)
Slave BMU	16S (13PCS)
High Voltage control box	208S High -pressure control internal containing BCU (1PCS)
Equipment cabinet	1100x820x2160mm (1PCS)
Fire protection system	FGS-XR1000E
Connect cables and communication cables	(1 SET)
PCS(PWS1-50K)	
Ac parameters	
Ac access mode	Three -phase and four line
Rated AC power	50KVA
Ac overload capability	55kVA
Allowable grid voltage	380/400 (-15%~15%) Vac
Allowable grid frequency	50/60 (-2.5~2.5) Hz
DC side parameters	
Maximum DC power	55kW
Dc voltage range	500~850Vdc
Maximum DC current	110A
Voltage regulation accuracy	≤±1%