

# OUTDOOR CABINET ESS PV STORAGE & CHARGING



## PERFORMANCE CHARACTERISTICS



### High Efficiency and Energy Saving

- Intelligent control starts the power module on demand, with high conversion efficiency and low standby loss, high efficiency charging at the same time to save energy and reduce investment.
- Intelligent management that automatically adjusts charging strategies according to demand to ensure that the charging process is fast and safe.
- The power loss during operation and standby is low, which effectively reduces the customer's operating costs.



### Flexible and Compatible

- Standard modular design, flexible configuration, convenient expansion, ease of maintenance to reduce maintenance costs.
- Adopting international universal charging standards, it is widely compatible with most electric vehicle brands and models on the market and meets diverse charging needs.



### Smart Management

- The intelligent management and control system can monitor the battery status in real time and adjust the charging strategy automatically to ensure the safe and efficient charging process.
- The local control panel can realize system operation monitoring, energy management strategy formulation, and equipment remote upgrade.



### Applicable Scenarios

- It is applicable to diversified scenarios such as solar storage and charging, industrial parks and microgrids, providing efficient and convenient charging solutions for EV users in different scenarios.
- It adopts the patented harmonic technology and is applicable to scenarios such as industrial parks with large voltage harmonics.

## PRODUCT PARAMETERS

Model	GSL-100(DC50)(215kWh)(EV120)
<b>Grid Port</b>	
Rated Power	100kW
Max. Power	110kW
Rated Current	144A
Max. Current	158A
Rated Voltage	440Vac,3W+PE
Rated Frequency	50-60Hz (±5Hz)
<b>PV Side</b>	
Max. PV Input Voltage	Battery voltage-30V
PV Input Power	50kW
MPPT Number	1
<b>Battery Side</b>	
Battery Rated Capacity	215kWh
Battery Voltage Range	768V
Input Voltage	400V (-15%~+10%)
Battery Type	Lithium iron phosphate battery (LFP)
Cell Capacity	280Ah
Battery Series Parallel Connection Mode	1P*20S*12S
Max. Charge and Discharge Current	140A
<b>Charging Side</b>	
Rated Output Power	60kW*2
Rated Output Current	120A*2 (500Vdc)
Measuring Accuracy	<±0.1%
Number of Charging Guns	Dual Guns
Gun Line Length	5m
Starting Method	Scan code, Swipe card, APP
Charging Method	Auto-fill, by amount, by power, by time
Display Method	LED display light
<b>Basic Parameters</b>	
Cooling Method	Intelligent air cooling
Protection Level	IP55
Power Consumption During Shutdown	<0.1% rated power (excluding transformer)
Relative humidity	0~95% (no condensation)
Noise	<70db
Ambient Temperature	25°C~60°C (derating above 45°C)
Altitude	3000m (derating > 2000m)
BMS Communication	CAN
EMS Communication	Ethernet / 485
Emergency Stop Protection	Equipped with emergency stop button, with emergency stop protection function
Protection Characteristics	Input over-under-voltage protection, input over-current protection, anti-surge protection, output short-circuit protection, over-temperature protection, Anti-reverse irrigation protection, battery active protection, emergency shutdown and other protection functions.
Dimensions (W*D*H)	1800*1200*2300mm
Weight (approx.)	2500kg