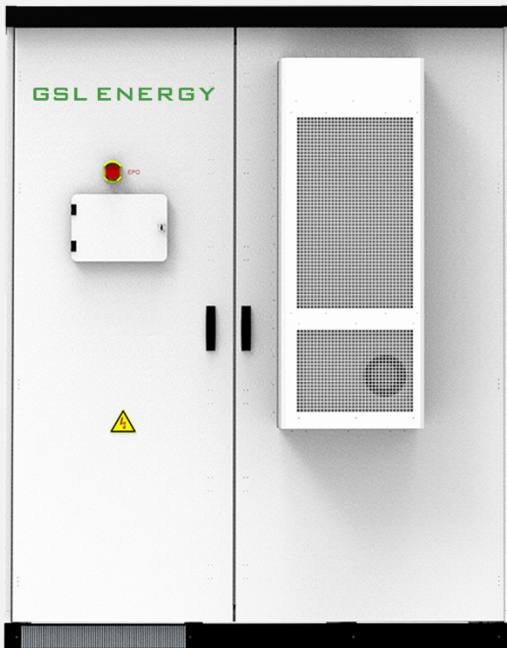


# Outdoor Cabinet ESS





SFN-CESS-215K



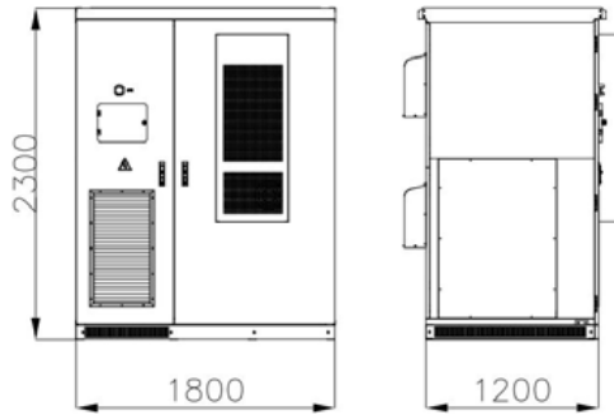
## Integration Product:

power module, battery, refrigeration, fire protection, dynamic environment monitoring and energy management in one. It is suitable for microgrid scenarios such as small-scale commercial and industrial energy storage, photovoltaic diesel storage, and photovoltaic storage and charging. The local control screen can perform a variety of functions, such as monitoring system operation, formulating energy management strategies, and upgrading remote equipment.

## Product Features:

-  Standardized structure design, menu-type function configuration, photovoltaic charging module, parallel off-grid switching module, power frequency transformer and other components can be selected for microgrid and other scenarios, and integrated photovoltaic storage integration system cabinet;
-  With the patented technology of virtual synchronous machine features, it can realize the function of multiple remote free parallels without communication lines and off-grid switching;
-  Patented outdoor cabinet protection design, optimized heat dissipation air duct, protection against sand, dust and rain; The front and rear sides are open for maintenance, which is convenient for the layout of multiple systems side by side on site and reduces the space;
-  Space-saving: using door-mounted embedded integrated air conditioners can save space in the cabinet by not occupying any space, improving the available space, enhancing the top structural integrity, and achieving good waterproof effect.

# Datasheet



## Outdoor Cabinet ESS

## SFN-CESS-215K

Model	100TS(DC100)(215kwh)
Max. PV input power	100kW
Max. PV input voltage	680V
STS	STS optional
Transformer	Transformer inside

## Battery (DC)

Rated battery capacity	215kwh
Rated system voltage	768V
Battery type	Lithium iron phosphate battery (LFP)
Battery Cell capacity	280Ah
Series of battery	1P*20S*12S

## AC

Rated AC power	100kW
Rated AC current	144A
Rated AC voltage	400V,3P+N+PE,50/60Hz
THDi	<3%(rated power)
PF	-1 leading to+1 lagging

## General Parameters

Protection level	IP55
Isolation mode	Non-Isolation (Adding isolation transformer is optional)
Operating temperature	-25~60°C (Derating above 45°C)
Altitude	3000m (>3000m derating)
Communication interface	RS485/ CAN 2.0/ Ethernet/ dry contact
Dimension (W*D *H)	1800*1200*2300mm
Weight (with battery)	3000kg