

Smart ESS Cabinet-100/215

The Smart Energy Storage Integrated Cabinet is an integrated energy storage solution widely used in power The Smart Energy Storage Integrated Cabinet is an integrated energy storage solution widely used in power systems, industrial, and commercial applications. This cabinet integrates advanced battery technology, energy management systems, and intelligent controls, achieving efficient energy storage in a compact device.

Product Features

-  Convenient & Flexiable
-  All-in-one design
-  Smart and User-friendly
-  Safe and reliable



Product Parameters

PRODUCT MODEL	CESS-Smart ESS-100/215
DC Parameters	
Nominal capacity	215kWh
Rated voltage	DC 768V
Voltage rage	DC 600~876V
Charge/discharge ratio	0.5C
DOD	90%
Cooling method	Fan cooling
PV Input	
Max. input power	120KW
Max. input voltage	DC 650V
MPPT operating voltage range	DC 100-650V
Start-up voltage	DC 100V
Max. input current	100A
Max. short circuit current	100A
No. of MPPT trackers	2
No. of strings per MPPT	1
AC side (on-grid)	
Nominal output power	100kW
AC Max. Power	110kVA
THDi	<3%
DC component	<0.5%
AC rated voltage	AC380/400V
Grid allowed voltage	320V-460V
AC input model	3P+N+PE
Rated frequency	50Hz/60Hz
Adjusted PF range	1 (leading)~1 (lagging)
AC side (off-grid)	
Nominal output voltage	380V/400V, 3L/N/PE
Nominal output frequency	50Hz/60Hz
Nominal output current	83A
Nominal output power	35.8kW
Max. apparent power	35.8kVA
Max.Single-phase apparent power	12kVA
Switching time	<20ms
System Parameters	
Dimensions(WxDxH)	2277*1280*2336mm
Weight	3.5t
Protection grade	Ip54
Anti-corrosion grade	C5
Operating temperature	-30°C~50°C
Humidity range	5-95%(no condensing)
Temperature control	Industrial air-conditioning
Fire protection	Pack & Cabinet aerosol
Altitude	≤3000m
PCS cooling method	Forced air cooling
Communication protocol	Modbus /Rs485
Certification	IEC61000, IEC62477, IEC62619, EN62109-1/2, EN50549-1/10, NRS 097-2-1, UN38.3