

## CE-SolarStoreCommercial

Designed for small and medium-sized businesses, such as garden centres, farm shops, schools, zoos, pubs, restaurants, micro-breweries, business parks, data centres, petrol stations and solar car parks.



### Safe & Reliable

- CATL LFP battery cell
- Double fire suppression system design
- 1+1 redundancy design



### Simple & User-friendly

- Pre-installed in factory for easy installation on site
- Integrated BMS/EMS, suitable for various applications
- Effortless operation, cloud control



### Economical & Efficient

- 100% DOD, improving ROI
- Save Capex, expanding as required
- Efficient and energy-saving HVAC design



## Outdoor Battery Cabinet Parameters

### TECHNICAL PARAMETRES

Battery type	LFP
Batter module capacity	5.12kWh
Number of modules	10*2
Total battery capacity	102.4kWh
Nominal voltage	512V
Operating voltage range	448V~576V
Charge/discharge rate	Max. 0.5C
DoD	100%
Standards	IEC62619-2017;UN38.3;IEC61000-6-2/4

### GENERAL PARAMETRES

Dimensions (W*D*H)	1000 * 1080 * 2380mm
Installation site	Outdoor
IP protection	IP54
Anti corrosion level	C4
Operation humidity	0%~95% (No condensing)
Operation temperature	-30°C~+50°C
Max. operation altitude	4000m ( >3000m derating)
Communication port	Ethernet;CAN
Communication protocol	CAN;MODBUS; TCP/IP
Cooling method	Air conditioner

PRODUCT SPECIFICATIONS	
<b>PV Side</b>	
Max. Input Voltage	1000V
MPPT Voltage Range	350V~800V
Max. Current per MPPT	36A
Number of MPPT	3
Number on Inputs per MPPT	2
<b>Battery Side</b>	
Max. Input Voltage	750V
Min. Input Voltage	350V
DC Voltage at Nominal Operation	500V~750V
Max. DC Current	55A*2
Max. DC Input Power	55kW
Number of DC Inputs	2
<b>AC Side (On Grid)</b>	
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
Max. AC Current	80A
Nominal AC Voltage	400V
AC Voltage Range	340V~440V
Nominal Grid Frequency/Frequency Range	50/60Hz±5Hz
THDv	<3%(100% Load)
Adjustable PF Range	-1(Lagging)~1(Leading)
<b>AC Side (Off Grid)</b>	
Nominal AC Voltage	400V±3%
THDv	<3%(Linear Load)
Nominal Grid Frequency/Frequency Range	50/60Hz
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
<b>Efficiency</b>	
Max. Efficiency	96.8%
<b>Protection</b>	
Reverse Connection Protection	Yes
DC Switch	Yes
AC Switch	Yes
Surge Protection	DC Type II;AC Type II
Grid Monitoring / Earthing Fault Detection	Yes
Insulation Monitoring	Yes
Over-Temperature Protection	Yes
<b>General Parameters</b>	
Dimensions (W*D*H)	665*610*335mm
Weight	62KG
Topology	Transformerless
IP Protection	IP65
Operation Temperature Range	-25~60°C(>50°C Derating)
Operation Humidity Range (No Condensing)	0~100%
Cooling Method	Intelligent Air Cooling
Max. Operation Altitude	4000m(>3000m Derating)
Display	LCD
Communication Port	RS485/CAN
Communication Protocol	Modbus RTU
Standards	IEC 62477, IEC61000, CE, GB/T