

Outdoor Distributed Energy Storage (Air-cooling)

Cube 100



Safe & Reliable
CATL high performance LFP battery



Fire Fighting
Double fire suppression system design



Easy installation
Pre-installed in factory for easy installation on site



Smart APP
Effortless operation, cloud control



Economical & Efficient
Save Capex, expanding as required



Air cooling
Efficient and energy-saving HVAC design

Model	CX-50/100-A
Cell type	LiFePO4
Battery Energy	102.4kWh
Nominal Voltage	512V DC
Operating voltage range	448~565V DC
Charge/Discharge rate	Max.0.5C
D.O.D.	90%
PV side(DC)	
Max. Input Voltage	1000V
MPPT Voltage Range	350V~800V
Max. Current per MPPT	36A
Number of MPPT	3
Number of Inputs Per MPPT	2
Battery Side of PCS(DC)	
Max. Input Voltage	750V
Min. Input Voltage	350V
DC Voltage at Nominal Operation	500V~750V
Max. DC Current	55A
Max. DC Input Power	55kW
Number of DC Inputs	2
AC Side(On Grid)	
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
THDv	<3%(100% Load)
Adjustable PF Range	-1(Lagging)~1(Leading)
AC Side(Off Grid)	
Nominal AC Voltage	230/400V; 3L+N+PE
THDv	<3%(Linear Load)
Nominal Grid Frequency/Frequency Range	50/60Hz
Nominal AC Output Power	50kW
Max. AC Output Power	55kVA
System parameter	
Dimensions(WxDxH)	1100 x 1100 x2380 mm
Installation site	Outdoor
Weight	<1.5T
IP protection	IP54
Anti corrosion level	C4
Operation humidity	5%~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
Standards	UN38.3;IEC62477;IEC61000;CE;GB/T;IEC62109;IEC61683; IEC60068;IEC61727;IEC62116;EN50549;VDE4105;G99

