

GreenB Series

All-in-one Battery 100K

OUTDOOR BATTERY CABINET

GreenH Series

Hybrid Inverter 50K

MODULAR POWER CONVERTER



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

- Save Capex, Expanding as Required.
- Efficient and Energy-saving HVAC Design.

HYBRIDS

GreenB 100K **MasterPower**
Unlimited power

Product Specifications

TECHNICAL PARAMETERS	
Battery Type	LFP
Battery Module Capacity	5.12 kWh
Number of Modules	10*2
Total Battery Capacity	102.4 kWh
Nominal Voltage	512 V
Operating Voltage Range	448 V ~ 565 V
Charge / Discharge Rate	Maximum 0.5C
DoD	90%
GENERAL PARAMETERS	
Dimensions (W*D*H)	1100*1100*2380 mm
Weight	< 1.5 T
Installation Site	Outdoor
IP Protection	IP54
Anti Corrosion Level	C4
Operation Humidity	5% ~ 95% (No Condensing)
Operation Temperature	-30°C ~ +50°C
Maximum Operation Altitude	4000 m (> 3000 m Derating)
Communication Port	Ethernet; CAN
Communication Protocol	CAN; MODBUS TCP/IP
Cooling Method	Air Conditioner
Standards	IEC62619-2017; UN38.3; IEC61000-6-2/4

Product specifications are subject to change without further notice.

Product Specifications

PV SIDE	
Maximum Input Voltage	1000 V
Maximum PV Power	75 kW
MPPT Voltage Range	350V ~ 800 V
Maximum Current per MPPT	36 A
Number of MPPT	3
Number of Inputs Per MPPT	2
BATTERY SIDE	
Maximum Input Voltage	750 V
Minimum Input Voltage	350 V
DC Voltage at Nominal Operation	500 V ~ 750 V
Maximum DC Current	50 A*2
Maximum DC Input Power	55 kW
Number of DC Inputs	2
AC SIDE (ON GRID)	
Nominal AC Output Power	50 kW
Maximum AC Output Power	55 kVA
Maximum AC Current	80 A
Nominal AC Voltage	400 V
AC Voltage Range	340 V ~ 440 V
Nominal Grid Frequency / Frequency Range	50 / 60 Hz ± 5 Hz
THDv	< 3% (100% Load)
Adjustable PF Range	-1 (Lagging) ~ 1 (Leading)
AC SIDE (OFF GRID)	
Nominal AC Voltage	230 / 400 V ± 3%; 3L + N + PE
THDv	< 3% (Linear Load)
Nominal Grid Frequency / Frequency Range	50 / 60 Hz
Nominal AC Output Power	50 kW
Maximum AC Output Power	55 kVA
EFFICIENCY	
Maximum Efficiency	97.5%
PROTECTION	
Reverse Connection Protection	Yes
DC Switch	Yes
Over-Temperature Protection	Yes
Grid Monitoring / Earthing Fault Detection	Yes
Insulation Monitoring	Yes
DC / AC Surge Protection	DC Type II; AC Type II
GENERAL PARAMETERS	
Dimensions (W*H*D)	650*715*325 mm
Weight	62 kg
Topology	Transformerless
IP Protection	IP65
Operation Temperature Range	-25 ~ 60°C (> 45°C Derating)
Operation Humidity Range	0 ~ 100% (No Condensing)
Cooling Method	Intelligent Air Cooling
Maximum Operation Altitude	4000m (> 3000 m Derating)
Communication Port	RS485 / CAN
Standards	IEC 62477, IEC61000, CE, GB/T

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