



Outdoor Distributed Energy Storage System (Air-cooling)

Cube 125

- Thermally sensitive wire for fire extinguishment in extreme conditions
- Seamless switching time $\leq 10\text{ms}$
- Reduce on-site installation time and costs by 50%
- Photovoltaic energy at a DC/AC ratio of 1.9
- 2.5-hour energy storage/5-hour energy storage



Model	Cube 125
System	
Battery Energy (kWh)	128
Rated Power (kW)	50
AC Output (V)	230/400, 3L+N+PE, 50Hz/60Hz
Off-grid Switching Time (ms)	<10
Communication	Wifi/4G/CAN/RS485
Cooling Method	Air cooling
IP Rating	IP54
Working Temperature (°C)	-20~55
Humidity	0%RH~95%RH, no condensation
Altitude (m)	≤3000
Dimensions (W*D*H)(mm)	1000*1295*1788 (Cabinet)
Fire Protection System	Aerosol
Weight (kg)	1330 (Cabinet) + 73 (Inverter)
Certificates	IEC62619, EN61000, UN38.3
Battery	
Battery Pack	102.4V/32.15kWh/314Ah
Battery System	128.6
Battery Voltage Range (VDC)	358.4~460.8
Life Cycles	8000, 70% SOH (90%DOD, 25°C)
Certificates	IEC62619, UL1642, UN38.3, GB36276-2018, RoHS
PV	
Max DC Input Power (kW)	100
Max DC Input Voltage (VDC)	1000
Rated Input Voltage (VDC)	600
MPPT Voltage Range (VDC)	150~850
MPPT Number/Strings Number per MPPT Tracker	4*8
AC Side	
Rated Output Active Power (kW)	50
Max Output Current (A)	72.2
THDi	<3%
THDv (@linear load)	<2%
PCS Certificates	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 550117 etc.

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