

Outdoor Distributed Energy Storage System (Air-cooling)

Cube 72

- Modular design allows expansion from 4 to 6 modules, offering a capacity range of 72-108kWh, suiting various needs
- Supports 30/40/50kW, catering to small commercial and industrial (C&I) scenarios
- Thermally sensitive wire enables fire extinguishment in extreme conditions, and seamless switching time is $\leq 20\text{ms}$
- Operates with a DC/AC ratio of 1.5 for PV energy, and comes with a 4G/Wifi module for remote access
- Maximizes space utilization by reducing floor space by 55%. Delivered in cabinets, it saves 50% of installation time and cost



Model	Cube 72
System Parameter	
Battery Energy (kWh)	72
Rated Power (kW)	30
AC Output (V)	380/400, 3L+N+PE, 50Hz/60Hz
Off-grid Switching Time (ms)	<10ms
Communication	Wifi/4G/CAN/RS485
Cooling Method	Air cooling
IP Rating	IP54
Working Temperature (°C)	-20~55
Humidity (RH)	0%~95%, No condensation
Altitude (m)	≤3000
Dimensions (W*D*H)(mm)	600*1470*1750 (Cabinet)
Fire Protection System	Aerosol
Weight (kg)	750 (Cabinet) + 73 (Inverter)
Certificates	IEC62619, EN61000, UN38.3
Battery Parameter	
Battery Pack	57.6V/18.086kWh/314Ah
Battery System (kWh)	72.32
Battery Voltage Range (VDC)	201.6~259.2
Life Cycles	8000, 70%SOH (90%DOD, 25°C)
PV Parameter	
Max DC Input Power (kW)	60
Max DC Input Voltage (VDC)	1000
Rated Input Voltage (VDC)	600
MPPT Voltage Range (VDC)	150-850
MPPT Number/Strings Number per MPPT Tracker	3/6
AC Side Parameter	
Rated Output Active Power (kW)	30
Max Output Current (A)	45.6/43.3
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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