

# Outdoor Distributed Energy Storage System (Air-cooling)

## Cube 72/90/108

- 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	Cube 90	Cube 108
<b>System</b>			
Battery Energy (kWh)	72	90	108
Rated Power (kW)	30	40	50
AC Output	400V, 3L+N+PE, 50Hz/60Hz		
Off-Grid Switching Time (ms)	<10		
Communication	Wifi/4G/CAN/RS485		
Cooling Method	Air conditioning cooling		
IP Rating	IP54		
Working Temperature (°C)	-20~55		
Humidity	0%RH~95%RH, No condensation		
Altitude (m)	3000 (>2000 derating)		
Dimensions (W*D*H)(mm)	1000*1471*1850		
Fire Protection System	Aerosol		
Weight (kg)	1009	1137	1265
Certificates	IEC62619, EN61000, UN38.3		
<b>Battery</b>			
Battery Pack	57.6V/18.08kWh/314Ah		
Battery System (kWh)	72.32	90.40	108.48
Battery Voltage Range (VDC)	201.6~259.2	252.0~324.0	302.4~388.8
Endurance Cycle	8000, 70% SOH (90%DOD, 25°C)		
<b>PV(Optional)</b>			
Max DC Input Power (kW)	38.4+38.4		
Max DC Input Voltage (VDC)	850		
MPPT Voltage Range (VDC)	200-800		
Start-up Voltage (V)	250		
Max Input Current (A)	64 + 64		
<b>AC Side</b>			
Rated Power (kVA)	30	40	50
Rated Current (A)	43.5	58.0	72.5
THDi	<3% (Over 30% load)		
THDu	<3% (Resistive load)		
PCS Certificates	CE, IEC62019, IEC62477, IEC6100, EN50549		

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