

Outdoor Distributed Energy Storage System

Cube 261-S

- Safety by Design, built-in thermal sensing cable
- True Seamless Power Backup, $\leq 10\text{ms}$ switching
- Three-in-one interface for PV, wind power, diesel generators
- 50% faster and lower-cost installation
- Maximized solar harvest, up to $2\times$ PV over-sizing
- Two independent battery ports, optimized $0.25\text{C}/0.5\text{C}$ charge - discharge
- 160% overload for 200ms off-grid, stable heavy-load startup
- Multi-unit parallel, up to 1.25MW (STS cabinet needed for ≥ 6 units)



Model	Cube 261-S
System	
Maximum System Efficiency	≥90%
Charge - Discharge Rate	≤0.5P
Off-grid Switching Time (ms)	<10
Depth of Discharge	90%
Noise (rated operating condition)(dB)	70@1m
Cooling Method	Liquid cooling
IP Rating	IP54 (battery) + IP66 (inverter)
Working Temperature (°C)	-20~55
Humidity	0%RH~95%RH
Altitude (m)	≤3000
System Dimensions (W*D*H)(mm)	1000*1300*2350
Fire Protection System	Pack-level + cluster-level aerosols
Communication	CAN / RS485/ Ethernet / Wi-Fi (optional)
Weight (kg)	2700
Mounting Mode	Floor-mounted Installation
Battery	
Battery Type	LFP3.2V/314Ah
System Battery Configuration	1P260S
Battery System (kWh)	261
Battery Voltage Range (VDC)	728~936
Life Cycles	8000, 70% SOH (90%DOD, 25 °C)
Certificates	IEC62619、UL1642、UN38.3、GB36276-2018、RoHS
PV	
Max DC Input Power (kW)	250
Max DC Input Voltage (VDC)	1000
Rated Input Voltage (VDC)	600
MPPT Voltage Range (VDC)	150~850
MPPT Number/Strings Number per MPPT Tracker	10*20
AC Side	
Rated Output Active Power (kW)	125
Rated Output Current (A)	189.9 / 180.4
Rated Grid Voltage (V)	380/400, 3L+N+PE, 50Hz/60Hz
Power Factor	> 0.99 (0.8 leading - 0.8 lagging)
THDi/THDv	<3% / <2%

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