



E³Stack-C1000-257I

All-in-one Energy Storage Cabinet

Better economical performance

- 314Ah battery cell with 8000 life cycles
- Each pack is independently managed by the module controller. If a single unit fails, the remaining units will not be affected
- Pack-level charging and discharging management, enhancing cycle efficiency by 1%

Higher reliability

- Maximum 30% automatic online bypass of failure battery cells
- IP66 for PCS, IP67 for battery pack, IP55 for battery cabinet
- Cooling system top configuration design

Comprehensive safety protection

- Issue a battery risk warning 20 days in advance, preventing the risk of internal short circuit
- Fuse design in PCS DC input, multiple safety protection for system over current
- Anti-explosion valve & aerosol FSS & firehydrant interface design

Excellent AC performance

- 100% nominal power output @50°C
- 100% unbalanced load ability, 3 phase + N configuration supports off-grid operation and single phase loaded
- Active power and reactive power decoupled control





AC Parameters

Rated operating power	130kVA
Maximum power	156kVA
Rated current	185A
Rated voltage	400Vac
Voltage range	±15%
Rated frequency	50Hz
THD(Rated power)	< 3%
Connection method	3P4W(A,B,C,N)
Power factor	-1 ~ 1 Continuously adjustable

DC Parameters

Cell type	LFP
Cell capacity	314Ah
Package grouping method	1P64S
Pack rated energy	64.3kWh
Rack grouping method	1P256S
Rated energy (BOL) at DC side	257kWh
Charging&discharging power	≤0.5C
Cell brand	Bloomberg Tier1
Battery cell cycle time	≥8000

Battery controller technical parameters

Rated power	16.08+16.08kW
Battery side current ripple	<3%
Maximum efficiency in PWM mode	98.5%
Maximum efficiency in ECO mode	99.5%
Conversion time between Charging& discharging	≤50ms
Weight	≤25kg
Dimensions (W*H*D)	280*130*1005mm



General Parameters

Level of protection	IP66 for PCS , IP54 for battery cabinet	Communication interface	Ethernet
Anti-corrosion grade	C4(C5 optional)	Communication protocol	Modbus TCP
Operating humidity range	0% ~ 95% (non-condensing)	Certification	IEC62619, IEC62477, EN61000, EN50549, UN38.3
Operating temperature	-25 ~ +60°C	Auxiliary power supply	220V, 20A
Max operating altitude	4000m (> 2000m derating)	Dimensions (H*W*D)	2100*1220*1570mm
Cooling method	Liquid-cooling for battery, air cooling for PCS	Weight	< 3t
Fire protection	Aerosol + water fire protection		

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