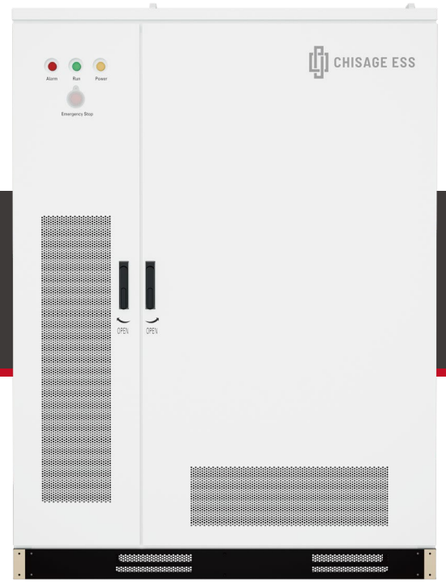
C&I ESS

OBE261-Y



Product Features

- Multi-dimensional safety assurance including PACK-level, cabinet-level fire protection, and water-based firefighting.
- Internal integration of STS for rapid deployment.
- DC coupling of photovoltaic and battery to minimize conversion losses.
- DC/DC modules configured on demand, supporting optional 2-hour and 4-hour system configurations.
- Grid-connected-to-island switching time ≤20 ms, supporting three-phase unbalanced load operation.
- Compatible with new photovoltaic installations and integration of legacy inverters.

Technical Data

Model	OBE261-Y
Battery Parameters	
Battery Type	Lithium Iron Phosphate
Cell Capacity (Ah)	314
Number of Series Strings in System	1P260S
Rated Current (A)	157
Rated Voltage (V)	832
Maximum Current (A)	157
Battery Voltage Range (V)	728-936
Charge/Discharge Rate (C)	≤0.5
Cooling Type	Liquid Cooling
PV Input	
Rated Input Power (kW)	126
Maximum Input Power (kW)	252
Input Voltage (V)	0-900
Full-load Voltage Range (V)	394-900
Number of MPPTs	0-4
AC Parameters (Off-Grid)	
Back-up switch time (ms)	<20
AC Voltage Harmonics	<3% (linear load)
AC Parameters (Grid-tied)	
Rated Power (kW)	125
Maximum Power (kVA)	137.5
Rated Voltage (V)	230/400
Voltage Deviation	-15%~15%
Maximum AC Current (A)	200
Wiring Method	3P4L
Frequency (Hz)	50/60
Power Factor	0.99
Power Factor Range	-1(lagging) to 1(leading)
System Parameters	
Weight (t)	≈3
Dimensions (W × H × D)(mm)	1650 × 1950 × 1300
Cycle Life	>8000 cycles (25° C, 0.5P, EOL 70%)
Operating Ambient Temperature (°C)	-20-55 (derating above 45)
Operating Environment Humidity	0-95% RH (non-condensing)
Ingress Protection Rating	IP54
Corrosion Resistance Rating	C4
Noise	≤75dB
Altitude (m)	3000 (derating above 2000 m)
Fire Protection	Aerosol
Communication	4G, Ethernet, RS485
Certifications and Standards	CE, UN38.3