

C&I ESS

OBE418-Y



Product Features

- Approx. 418 kWh large energy capacity, suitable for C&I energy storage applications
- High-safety Lithium Iron Phosphate battery design for stable long-term operation
- Wide battery voltage range of 1164.8–1497.6V for high-voltage ESS projects
- Liquid cooling design improves thermal management and system reliability
- ≥8,000 cycles long service life, reducing maintenance and replacement costs
- Wide operating temperature range from -20℃ to 55℃ for different climates
- IP54 protection and C4 corrosion resistance for complex installation environments
- Integrated aerosol fire protection with RS485/CAN communication support

Technical Data

Model	OBE418-Y
Battery Parameters	
Battery Type	Lithium Iron Phosphate
Cell Capacity (Ah)	314
Series Count	1P416S
Rated Voltage (V)	1331.2
Battery Voltage Range (V)	1164.8-1497.6
Charge/Discharge C-rate (C)	≤0.5
Cooling Type	Liquid Cooling
System Parameters	
Weight (t)	≈3.5
Dimensions (W × H × D) (mm)	1300 × 2360 × 1300
Cycle Life	≥8000 cycles, 25℃, 0.5C, 70% EOL
Operating Ambient Temperature (℃)	-20~55℃, derate above 45℃
Operating Ambient Humidity	0~95% RH, non-condensing
Ingress Protection Rating	IP54
Corrosion Resistance Rating	C4
Noise (dB)	≤75
Altitude (m)	3000, derated above 2000m
Fire Protection	Aerosol
BMS Communication	RS485, CAN