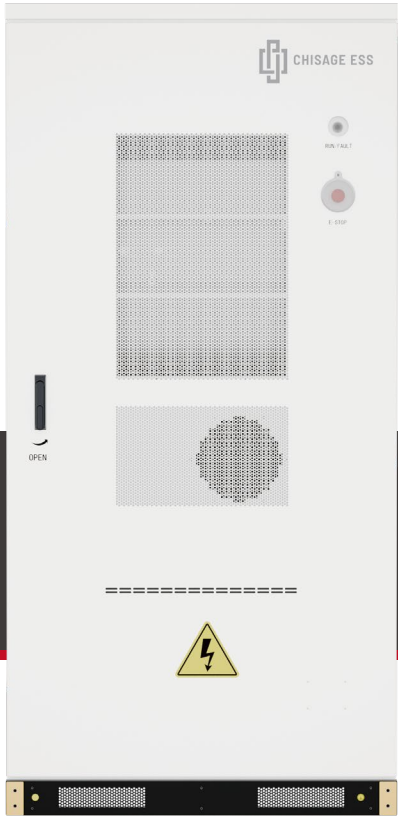


C&I ESS

OBE241-F



Product Features

- 241.15 kWh large energy capacity, ideal for C&I energy storage applications
- Up to 4 battery modules in parallel, flexible capacity expansion for different project needs
- ≥8,000 cycles long service life, reducing system maintenance and replacement cost
- 157A continuous charge/discharge current, ensuring stable high-power operation
- High-voltage operating range of 672–864 V, suitable for commercial and industrial energy systems
- Liquid cooling design, improving thermal management and system operation stability
- IP65 protection rating, suitable for harsh installation environments
- Wide temperature operating range, reliable charging and discharging in different climates
- High safety LFP battery design, stable performance for long-term energy storage use
- Approx. 2.6 t integrated cabinet structure, designed for large-capacity energy storage projects

Technical Data

Model	OBE241-F
Battery Parameters	
Nominal Capacity (Ah)	314 @ 0.5C, 25°C
Nominal Voltage (V)	768 @ 0.5C, 25°C
Number of PACKs (pcs)	15
Total Energy (BOL) (Wh)	241,150 ± 50 Wh @ 0.5C, 25°C BOL
Cell Voltage Range (V)	2.8~3.6
Recommended SOC Operating Window	5%~100%
SOC Range During Transport	40%~60%
Electrical Parameters	
Operating Voltage Range (V)	672~864V; 0°C < Temperature T ≤55°C
Standard Continuous Charge/Discharge Current (A)	157/157
Maximum Continuous Charge/Discharge Current (A)	157/157
Maximum Number of Parallel Units (Modules)	4
System Parameters	
Dimensions (W × H × L) (mm)	1196 × 2245 ± 2 × 1163 ± 2
Weight (t)	≈2.6
Ingress Protection Rating	IP65
Environmental & Reliability Parameters	
High-temperature Storage 55°C 7D 100% SOC	≥97% capacity recovery; ≥95% state of charge retention
Cycle Life	≥8,000 cycles, 95% DOD, 70% EOL @ 25°C, 0.5C
Operating Temperature (°C)	Charging: 0°C~55°C; Discharging: -20°C~55°C

Note

Description	Except where otherwise specified, all the above data are based on the Beginning of Life (BOL) condition.
	Unless otherwise specified, the temperature is assumed to be 25 ± 2°C.