EVERGRID

TECHNOLOGY INC

CLEAN ENERGY

A BRIGHTER TOMORROW

INTEGRATED RESIDENTIAL ENERGY STORAGE SYSTEM

EGHB-2250

Integrated residential energy storage system combining a bidirectional inverter with LFP battery storage for on-grid and off-grid use.



KEY FEATURES

Used Both On-Grid and Off-Grid
Flexible operation as a grid-tied or standalone backup power source.

Improve Power Grid Stability
Smooths demand and supply fluctuations for a more stable connected grid.

Bidirectional Power Conversion
Converts and routes power in either direction between PV, battery, and loads.

Maximize PV Utilization
Maximizes the utilization of photovoltaic power generation across 4 independent MPPT inputs.

TYPICAL APPLICATION

PV + Battery + Load

CERTIFICATION

ETL Listed (Intertek) · UL 1741 · IEEE 1547 · NEC 2024 compliant

EGHB-2250 FULL SPECIFICATIONS

Model	EGHB-2250
BATTERY	
Battery Type	Lithium Iron Phosphate
Battery Voltage Range	40 ~ 60V
Maximum Continuous Discharge Current	50 A
Maximum Continuous Charging Current	50 A
Rated Capacity	5120 Wh
DC INPUT	
Maximum Input Power	600 W × 4
Maximum Input Voltage	60 Vdc
MPPT Voltage Range	22 – 55 Vdc
Starting Voltage	22 Vdc
Maximum Input Current per MPPT	20 A
Maximum Short-Circuit Current per MPPT	25 A
MPPT Quantity	4
AC OUTPUT | ON-GRID SIDE	
Rated Output Power	1200 W
Peak Apparent Power	1200 W
Maximum Continuous Current	10 A
Rated Output Voltage	L/N/PE, 120V
Rated Output Frequency	50 Hz / 60 Hz
THD	<5%
Power Factor	–0.8 ~ 0.8
AC OUTPUT | OFF-GRID SIDE	
Rated Output Power	1200 W
Peak Apparent Power	1200 W
Maximum Continuous Current	10 A
Rated Output Voltage	L/N/PE, 120V
Rated Output Frequency	50 Hz / 60 Hz
THD	<5%
Power Factor	–0.8 ~ 0.8
BATTERY CHARGING	
Rated AC Charging Power	1200 W
Rated MPPT Charging Power	2250 W