

## EDGE MINI

7.5 kWh 25.6 V | Low Voltage Battery

Introducing EDGE MINI, the compact lithium battery designed for reliable residential energy storage. Built with advanced LiFePO<sub>4</sub> technology, EDGE MINI delivers safe, stable, and efficient backup power for homes. It ensures seamless integration with hybrid inverters and solar systems. Its modular design allows future expansion up to 15 kWh at 48V when combined with EDGE Boost, offering flexibility as energy needs grow.



### Long Lifecycle

Rated for over 10,000 cycles with up to 15-year design life.



### Upgradeable Design

Expandable to a 48V 15 kWh system when combined with EDGE Boost



### User Interface

Integrated LED screen for real-time system status and monitoring



### High Discharge

280Ah real capacity and 96% DoD for optimized energy use

## Technical Properties

SYSTEM DATA	
Battery Type	LFP (LiFePO4)
Battery Capacity (Nominal/ Real)	7.5 kWh / 7.17 kWh
Nominal Voltage	25.6 V
Nominal Capacity	280 Ah
Rated Charging Current	70 A
Max. Charge Current	140 A
Max. Discharge Current	140 A
Max. Depth of Discharge (DOD)	96%
Recommended Depth of Discharge	80%
Charging Voltage	28.8 V
Cut-off Voltage	24 V
Communication interface	CAN / RS485
Cycle Life	10000 CYCLES 80%SOH @ 80% DOD & 0.25C/0.5C 8000 CYCLES 80%SOH @ 80% DOD & 0.5C/0.5C
PROTECTION	
Over and Under Voltage	YES
Over Charge and Discharge Current	YES
Short Circuit	YES
Over and Under Temperature	YES
GENERAL DATA	
Maximum Parallel Modules	15
Display	LED Screen
Battery Dimensions (H*W*D)	555mm*355mm*265mm
Weight	56 kg
Mounting method	Wall Mount or Floor Standing
Degree of protection	IP25