marvel ®Tech

ML280-25.6-W01
ML314-25.6-W01

Residential LFP Battery Series

A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, it seamlessly blends into any environment. Whether in your home, office, or commercial space, our wall-mounted unit provides reliable and efficient energy storage.

battery is a perfect wall-mounted solar energy lithium battery for residential home use. Built-in with High-Quality LiFePO4 large capacity cells. It ensures a long cycle life of the battery system. The designed BMS is verified to be compatible with different brands of inverters, hybrid on grid&off grid or off grid.

ML280-25.6-W01

ML314-25.6-W01

FEATURES

Unique Design
New wall mount design

Flexible Capacity
Max.15pcs in Parallel to extend capacity

Safe &Reliable
Lithium Iron Phosphate (LFP) Cell

Touch color LCD

Easy Installation
Quick plug in +/- and parallel connection

Communication
RS232,CAN,RS485

Dimensions

Model	ML280-25.6-W01	ML314-25.6-W01
Nominal Voltage	25.6Vdc	
Nominal Capacity	280Ah	314Ah
Battery Energy	7168Wh	8038Wh
Charge Voltage	28Vdc	
Discharge Voltage	23.2Vdc	
Nominal Charge/Discharge Current	140A	150A
Nominal Charge/Discharge Power	3584W	3840W
Max Charge/Discharge Current	200A	
Max Charge/Discharge Power	5120W	
Short Circuit Current	350A/3mS	

Communication		
Display	Touch color LCD	
Communication	RS232、RS485、CAN	

General Specification		
Dimension(W×D×Hmm)	612*500*243mm	
Weight (Kg)	86kg	
Installation	Floor stand or Wall mounted	
Charging Temperature Range	0℃～55℃	
Discharge Temperature Range	-20℃～60℃	
Operating/Storage/humidity	≤95%RH	
Max Operating Altitude	≤2000m	
IP Rating	IP21	
Cell Technology	LiFePO₄，Lithium Iron Phosphate	
Cycle life	8000 Cycles @ 80% DOD /25℃ /0.5C，60% EOL	
Scalability	Max 15 batteries in parallel	

Standard Compliance		
Certification	1. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25℃.	
	2. Charge/discharge derating occurs when the operating temperature from -10℃ to 5℃.& 45℃ to 55℃.	