

HESTIASOLAR WHEEL TYPE LIFEPO4 BATTERIES

ECO Series Low Voltage Lithium Battery Modules



Performance Characteristics

- Wheeled design, easy to move
- Equipped with high-performance A+ battery cells, with a lifespan of over 15 years and a 5-year warranty for the battery
- Intelligent BMS automatically protects against overvoltage, overheating, and short circuits
- Supports parallel connection of multiple units, up to 16 units
- Compatible with popular inverters in the market
- The LED display screen shows real-time battery level
- Standard cycle life over 8,000 times



Model	ECO48-280L	ECO48-314L	ECO51.2-280L	ECO51.2-314L
Nominal voltage(V)	48		51.2	
Nominal capacity(Ah)	280	314	280	314
Nominal energy capacity(kWh)	13.4	15	14.3	16
Operating voltage range(V)	42~54.75		44.8~58.4	
Recommended charging voltage(V)	51.75		55.2	
Recommended discharge cut-off voltage(V)	45		48	
Standard charging/discharging current(A)	100			
Maximum continuous charging /discharging current(A)	150			
Permissible humidity range(%RH)	<85			
Storage temperature(°C)	-20~65(Recommended 10~35)			
Charging temperature(°C)	0~50			
Discharging temperature(°C)	-10~60			
Protection level	IP20			
Cooling method	Natural air cooling			
Cell numbers	15		16	
Maximum size (D*W*H) mm	248*680*830		248*680*880	
Weight(kg)	136.5	140.5	139	143.5
Warranty period	5 Years			

Note: The above data is for reference and subject to change without prior notice.
Communicate with engineers for special customization requirements.