

# Energy Storage Battery

3.4/5/5.8/7.5/10 kWh



## Characteristics

- Digital Monitoring System APP
- CANbus Standard Connection
- 10 Years Limited Warranty
- High Inverter Compatibility
- Natural Cooling System
- IP65
- Reliable LFP Cells
- Scalable up to 20-40kWh (4 Parallel)

## Technical Properties

<b>Total Energy*</b>	3.4kWh	5kWh	5.8kWh	7.5kWh	10kWh
<b>Usable Energy(DC)*</b>	3kWh	4.6kWh	5.3kWh	6.9kWh	9.2kWh
<b>Nominal Charge/Discharge power</b>	1.7kW	3.0kW	2.75kW	3.75kW	4.6kW
<b>Peak Power (Only discharging)</b>	3.4kW for 3 sec.	7kWh for 3 sec.	7kWh for 3 sec.	8kWh for 3 sec.	8kWh for 3 sec.
<b>Constant Current (Only discharging)</b>	-	100A	100A	110A	120A
<b>Voltage</b>	42 - 54V DC	48 - 56V DC	42 - 54V DC	48 - 56V DC	48 - 56V DC
<b>Nominal Voltage</b>	48V DC	51.2V DC	48V DC	51.2V DC	51.2V DC
<b>Nominal Current</b>	35.5AA	60A	58A	75A	90A
<b>Max. Charging Voltage</b>	54.75V	57.6V DC	54V DC	57.6V DC	57.6V DC
<b>Weight</b>	32kg	55kg	66kg	82kg	96kg
<b>Dimension (W×H×D) mm</b>	525×475×238 mm	525×635×238 mm	525×635×238 mm	525×820×238 mm	525×820×238 mm
<b>Max.recommended DOD</b>	90%				
<b>Operating Condition</b>	Indoor or outdoor				
<b>Operating Temperature</b>	<b>Charge</b>	From 0°C to 45°C			
	<b>Discharge</b>	From -10°C to 50°C			
<b>WiFi Frequency Range</b>	2400~2483MHz				
<b>Humidity</b>	4~100% (No condensed water)				
<b>Pollution Degree</b>	3				
<b>Over Voltage Category</b>	II				
<b>Cooling Type</b>	Natural cooling				
<b>Case Material</b>	Metal + Plastic				
<b>Color</b>	Black + Silver grey or white				
<b>Installation</b>	Free standing				
<b>IP rating</b>	IP65				
<b>Protective Class</b>	I				
<b>Max. Numbers of Parallel or Series</b>	4				
<b>Warranty</b>	10 years				
<b>Life Span</b>	> 15 years				
<b>Communication</b>	CAN / RS485				
<b>Protection Mode</b>	Triple hardware protection				
<b>Battery Protection</b>	Over-current / Over-voltage / Short circuit / Under-voltage / Over temperature				
<b>Hazardous Material Classification</b>	Class 9				
<b>Transportation</b>	UN 38.3				

Testing conditions based on temperature 25°C , at the beginning of life.

\*Total Energy measured under specific conditions from 0.2C CC-CV.