



STH-BL Low Voltage LFP Battery

STH-BL5-10



User Friendly

- Get started quickly and use it instantly.
- Minimum width of just 20 cm, saving space in the home.

Safety

- High-quality lithium iron phosphate cells.
- Proven Li-ion battery management solutions.

Easy To install

- Supports wall or floor mounting.
- Plug-and-play design, wiring can be done from either side.
- Easy to scale up, with up to 10 units in parallel connection.

IP65

- IP65 water and dust proof, supports both indoor and outdoor installation.

Model	STH-BL5	STH-BL10
General Data		
Battery Type	LiFePO4	
Battery Capacity Per Kit	5.12kWh	10.24kWh
Usable Energy	4.6kWh	9.2kWh
Rated Voltage	51.2V	
Voltage Range	44.8V - 57.6V	
Max. Charging and Discharging Rate	100A	200A
Depth Of Discharge (DOD)	≤90%	
Cycle Life (25°Cc, 0.5C)	≥6000 times, 80% Capacity Retention	
Scalability	Yes	
General Data		
Communication Mode	RS485/CAN2.0	
Operating Temperature Range	0-50°C (Charge)/-10°C-50°C (Discharge)	
Storage Temperature Range	-15°C-60°C	
Cooling Method	Natural Convection	
Altitude	< 1000m	
Ambient Humidity	20%-95% (Non-Condensing)	
Noise (dBA)	<25dB	
Ingress Protection	IP65	
Dimensions (W*H*D)	550*550*167mm	560*750*191mm
Weight	50kg	88kg
Installation Methods	Floor Standing, Wall Mounted Rack Mounted (STH5.12BL)	Floor Standing

