

Residential Energy Storage Battery

Turbo L2 Series



5.12-14.3kWh

48v

Max. **8** units
Parallel

0.7c
Charging / discharging

3 layer
Protection



Plug & play design



Floor / Wall-mounted
installation



Remote diagnosis and
real-time data monitoring



Cell / Pack / Structural
protection

Model	TB-L2-5.12	TB-L2-10.24	TB-L2-14.3
Electrical Parameters			
Nominal Voltage [V]	25.6	51.2	
Nominal Capacity [Ah]	200	200	280
Nominal Energy ^[1] [kWh]	5.12	10.24	14.3
Voltage Range [V]	21.6 ~ 28.8	43.2 ~ 57.6	
Continuous Charging Current [A]	100	100	140
Continuous Discharging Current [A]	100	100	140
Max. Charging Current [A]	140	140	196
Max. Discharging Current [A]	140	140	196
General Data			
Battery Chemistry	LiFePO ₄		
Dimensions (W * H * D) [mm]	520 * 574 * 165.5	520 * 970 * 165.5	474 * 970.8 * 235.5
Net Weight [kg]	52	95	121
Scalability	Max. 8 pcs pack (Max.40.96kWh) in parallel	Max. 8 pcs pack (Max.81.92kWh) in parallel	Max. 8 pcs pack (Max.114.7kWh) in parallel
Ingress Protection	IP21		
Installation Type	Wall - mounted	Floor - mounted	
Indicator	LED		
Cooling	Natural		
Communication Port	CAN, RS485		
Operation Temperature Range ^[2] [°C]	-10 ~ +55		
Operation Humidity	5 ~ 95%		
Altitude [m]	≤ 2000		
Cycle Life	6000 @80% DOD / 25°C / 0.33C / 60% EOL		
Certification			
Certificates	UN38.3		

[1] Nominal Energy: 100% DOD 0.33C charge & discharge at +25°C (test conditions).

[2] Ambient temperature: charging (0 ~ +50°C), discharging (-10 ~ +55°C).