

Batteries

Turbo H3 Series

9.4kWh

High Voltage Battery



FEATURES



Powered by **CATL** LiFePO₄ battery cells



The Lowest charging temperature (-20°C) in the market



Support up to 6 units parallel connections



IP65 outdoor design



Module auto recognition



Remote firmware upgrade and online diagnosis

Turbo H3 Series

Model	TB-H3-9.4					
Electrical Parameters						
Nominal Voltage [V]	409.8					
Nominal Capacity [Ah]	23					
Nominal Energy [kWh] ^[1]	9.4					
Usable Energy (90%DOD) [kWh]	8.5					
Voltage Range [V]	345.6 ~ 460.8					
Recommend Charging / Discharging Current [A]	11.5					
Max. Continuous Charging Current [A]	18.4					
Max. Continuous Discharging Current [A]	18.4					
Peak Current [A]	23					
Peak Power	10kW					
General						
Battery Type	LiFePO ₄					
Size (Width * Height * Depth) [mm]	530 * 1000 * 245					
Net Weight [kg]	125					
Scalable	1	2	3	4	5	6
	9.4kWh	18.8kWh	28.2kWh	37.6kWh	47kWh	56.4kWh
Enclosure	IP65 (Indoor or Outdoor)					
Installation Type	Wall - mounted					
Cooling Type	Natural					
Communication Port	CAN, RS485					
Ambient Temperature Range [°C] ^[2]	-20 ~ +55					
Operation Humidity	5 - 95%					
Altitude [m]	≤ 2000					
Warranty ^[3] [years]	10					
Cycle Life	6000 @ 85% DOD / 25°C / 0.33C / 60% EOL					
Certification						
Certificates	IEC 62619, IEC 62040-1, IEC 62477-1, IEC 61000-6-1 / 3, UN 38.3					

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

[2] Ambient temperature: charging (-17 ~ +53°C), discharge (-17 ~ +53°C).

[3] Condition apply: refer to Renac Power Battery Warranty Policy.