

Residential Energy Storage Battery

# Turbo H4 Series

5kWh / 10kWh / 15kWh / 20kWh / 25kWh / 30kWh

## Features

Stackable High Voltage Battery



Plug & play, no cable design between battery modules



Flexible capacity options, 5kWh to 30kWh



Reliable LFP technology with high cycle stability



IP65 outdoor design






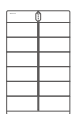


Battery module level fire protection



Remote firmware upgrade and diagnosis via inverter



Model	TB-H4-5	TB-H4-10	TB-H4-15	TB-H4-20	TB-H4-25	TB-H4-30
<b>Electrical Parameters</b>						
System Demo						
Number of Modules	1	2	3	4	5	6
Nominal Energy <sup>[1]</sup> [kWh]	5	10	15	20	25	30
Nominal Power [kW]	2.88	5.76	8.64	11.52	14.4	17.28
Nominal Voltage [V]	96	192	288	384	480	576
Voltage Range [V]	81 – 108	162 – 216	243 – 324	324 – 432	405 – 540	486 – 648
Max. Continuous Charging / Discharging Current [A]	30 / 30					
Depth of Discharge	90%					
Cooling	Natural					
<b>General Data</b>						
Battery Technology	LiFePO <sub>4</sub>					
Dimensions (W * H * D) [mm]	600 * 289 * 385	600 * 428 * 385	600 * 567 * 385	600 * 706 * 385	600 * 845 * 385	600 * 984 * 385
Weight [kg]	61.6	107.1	152.6	198.1	243.6	289.1
Ingress Protection	IP65 (Indoor or Outdoor)					
Installation Type	Floor Stand					
Operating Temperature Range <sup>[2]</sup> [°C]	-10 – +55					
Communication	CAN, RS485					
Cycle Life	6000 @80% DOD / 25°C / 0.2C / 60% EOL					
Warranty <sup>[3]</sup> [years]	10					
Operating Altitude [m]	≤ 2000					
<b>Certification</b>						
Certificates	UN38.3, EN / IEC 62619, IEC 63056, EN 62477, EN 61000-6-1 / -3, Annex I of Regulation (EU) 2023/1542, Annex XVII of REACH Regulation					

[1] Nominal Energy: 100% DOD, 0.2C charge & discharge at +25°C (test conditions).

[2] Ambient temperature charging (0 ~ +53°C), discharging (-10 ~ +53°C)

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