

High Voltage Battery



Turbo H4

5kWh - 30kWh



Stackable modules,
no cable design






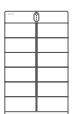


Flexible capacity
options



Cycle life times

- ▶ IP65 outdoor design
- ▶ High charging / discharging rate
- ▶ Battery module level emergency 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
Electrical Parameters						
System Demo						
Number of Modules	1	2	3	4	5	6
Nominal Energy ^[1] [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					
General Data						
Battery Technology	LiFePO ₄					
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]	64	110.3	156.6	202.9	249.2	295.5
Ingress Protection	IP65 (Indoor or Outdoor)					
Installation Type	Floor Stand					
Operating Temperature Range ^[2] [°C]	-10 ~ +55					
Communication	CAN, RS485					
Cycle Life	6000 @80% DOD / 25°C / 0.2C / 60% EOL					
Warranty ^[3] [years]	10					
Operating Altitude [m]	≤ 2000					
Certification						
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.