

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






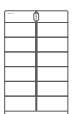


Battery module level fire protection



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]  | 64   | 110.3   | 156.6   | 202.9   | 249.2   | 295.5   |
| 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.