

Batteries

# Turbo H3 Series

7.1kWh / 9.5kWh  
High Voltage Battery



## FEATURES



Powered by **CATL** LiFePO<sub>4</sub> 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-H3-7.1   |         |         | TB-H3-9.5        |         |         |
|--|---|---------|---------|------------------|---------|---------|
| <b>Electrical Parameters</b>                       |   |         |         |                  |         |         |
| Nominal Voltage [V]                                | 307.2   |         |         | 409.6            |         |         |
| Nominal Capacity [Ah]                              | 23  |         |         | 23               |         |         |
| Nominal Energy [kWh] <sup>[1]</sup>                | 7.1   |         |         | 9.5              |         |         |
| Usable Energy (90%DOD) [kWh]                       | 6.4   |         |         | 8.5              |         |         |
| Voltage Range [V]                                  | 259.2 ~ 345.6   |         |         | 345.6 ~ 460.8    |         |         |
| Max. Continuous Charging / Discharging Current [A] |   |         |         | 18.4             |         |         |
| Peak Current [A]                                   |   |         |         | 23               |         |         |
| Peak Power   | 7.5kW   |         |         | 10kW             |         |         |
| <b>General</b>                                     |   |         |         |                  |         |         |
| Battery Type                                       | LiFePO <sub>4</sub>   |         |         |                  |         |         |
| Size (Width * Height * Depth) [mm]                 | 530 * 886 * 245   |         |         | 530 * 1000 * 245 |         |         |
| Net Weight [kg]                                    | 95  |         |         | 125              |         |         |
| Scalable   | 1   | 2       | 3       | 1                | 2       | 3       |
|  | 7.1kWh  | 14.2kWh | 21.3kWh | 9.5kWh           | 19kWh   | 28.5kWh |
|  | 4   | 5       | 6       | 4                | 5       | 6       |
|  | 28.4kWh   | 35.5kWh | 42.6kWh | 38kWh            | 47.5kWh | 57kWh   |
| Enclosure  | IP65 ( Indoor or Outdoor)                                       |         |         |                  |         |         |
| Installation Type                                  | Wall - mounted / Floor - mounted                                |         |         |                  |         |         |
| Cooling Type                                       | Natural   |         |         |                  |         |         |
| Communication Port                                 | CAN, RS485  |         |         |                  |         |         |
| Ambient Temperature Range [°C] <sup>[2]</sup>      | -20 ~ +55   |         |         |                  |         |         |
| Operation Humidity                                 | 5 ~ 95%   |         |         |                  |         |         |
| Altitude [m]                                       | ≤ 2000  |         |         |                  |         |         |
| Warranty <sup>[3]</sup> [years]                    | 10  |         |         |                  |         |         |
| Cycle Life   | 6000 @ 85% DOD / 25°C / 0.33C / 60% EOL                         |         |         |                  |         |         |
| <b>Certification</b>                               |   |         |         |                  |         |         |
| 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.