



Energy Storage System

# Turbo H1 Series

3.74kWh / 7.48 kWh / 11.23 kWh / 14.97kWh / 18.7kWh  
High voltage Battery

RENAC Turbo H1 is a high voltage, scalable battery storage module. It offers a 3.74 kWh model that can be expanded in series with up to 5 batteries with 18.7kWh capacity. Easy installation with plug and play.



MODULAR DESIGN AND  
EASY INSTALLATION



PLUG AND PLAY



IP65 RATED



SCALABLE TO 18.7KWH



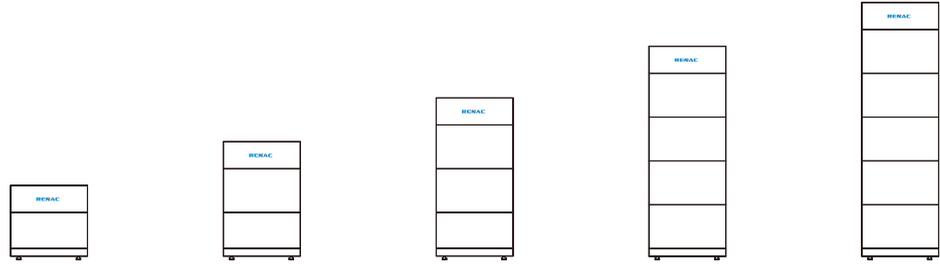
REMOTE UPGRADE AND  
ONLINE DIAGNOSIS



SUITABLE FOR BACK-UP  
SYSTEMS



# Turbo H1 Series



## Model

**TB-H1-3.74**

**TB-H1-7.48**

**TB-H1-11.23**

**TB-H1-14.97**

**TB-H1-18.7**

### Electrical Parameters

Nominal Energy <sup>[1]</sup> [kWh]	3.74	7.48	11.23	14.97	18.7
Usable Energy(90%DOD) [kWh]	3.36	6.73	10.1	13.47	16.83
Nominal Voltage [V]	96	192	288	384	480
Voltage Range [V]	81 ~ 108	162 ~ 216	243 ~ 324	324 ~ 432	405 ~ 540
Maximum Charge / Discharge Current [A] <sup>[2]</sup>	30 / 30				
Depth of Discharge	90%				
Cooling	Natural				

### General

Battery Technology	LiFePO4				
Dimensions (H*W*D) [mm]	606 x 651 x 217	932 x 651 x 217	1258 x 651 x 217	1584 x 651 x 217	1910 x 651 x 217
Weight [kg]	49.5	86.8	124.1	161.4	198.7
Number of Battery Units	1	2	3	4	5
Enclosure	IP65				
Type of Installation	Floor Stand / Indoor or Outdoor				
Operating Temperature Range [°C] <sup>[3]</sup>	-10 ~ +50				
Communication	CAN / RS485				
Cycle Life [90%DOD]	>6000 cycles				
Warranty <sup>[4]</sup>	10 Years				
Operating Altitude [m]	≤ 2000				

### Certification

Certificates UN 38.3, EN / IEC 62619, IEC 62040, EN 62477-1, IEC 62040-1, EN 61000-6-1 / -3

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

[2] The recommended charging and discharging current is 20/30A.

[3] Ambient temperature charging(0 ~ 40°C), Discharging(-10 ~ +50°C).

[4] Conditions apply. Refer to Renac Power Battery Warranty Policy.