



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



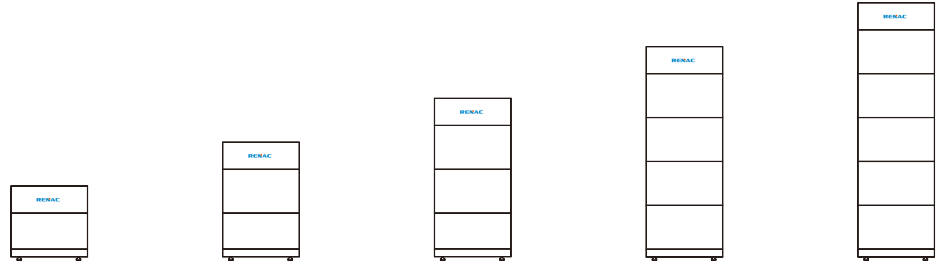
REMOTE UPGRADE AND
ONLINE DIAGNOSIS



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 ^[1] [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] ^[2]			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] ^[3]			-10 ~ +50		
Communication			CAN / RS485		
Cycle Life [90%DOD]			>6000 cycles		
Warranty ^[4]			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.