







Residential ESS

Turbo H3 Series

7.1kWh / 9.5kWh
High Voltage Battery

-  Powered by **CATL** LiFePO₄ battery cells
-  Low charging temperature at -17 °C
-  Support up to 6 units parallel connections
-  IP65 outdoor design
-  Module auto recognition
-  Remote firmware upgrade and diagnosis via inverter



Model	TB-H3-7.1			TB-H3-9.5		
Electrical Parameters						
Nominal Voltage [V]	307.2			409.6		
Nominal Capacity [Ah]	23			23		
Nominal Energy [kWh] ^[1]	7.1			9.5		
Voltage Range [V]	259.2 ~ 345.6			345.6 ~ 460.8		
Max. Continuous Charging / Discharging Current [A]	18.4			18.4		
Peak Current [A]	23			23		
Peak Power [kW]	7.5			10		
General Data						
Battery Type	LiFePO ₄					
Dimensions (W * H * D) [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
Ingress Protection	IP65 (Indoor or Outdoor)					
Installation Type	Wall - mounted / Floor - mounted					
Cooling Type	Natural					
Communication Port	CAN, RS485					
Ambient Temperature Range [°C] ^[2]	-20 ~ +55					
Operation Humidity	5 ~ 95%					
Altitude [m]	≤ 2000					
Warranty ^[3] [years]	10					
Cycle Life	6000 @85% DOD / 25°C / 0.33C / 60% EOL					
Certification						
Certificates	UN38.3, EN / IEC 62619, IEC 62040-1, IEC/EN 62477-1, EN IEC 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 (-17 ~ +53°C). discharge (-17 ~ +53°C).

[3] Condition apply: refer to Renac Power Battery Warranty Policy.