

# Residential ESS

## Turbo L1 Series

**5.3 kWh**  
**Low Voltage Battery**



'Plug & Play' design



Wall-mounted or floor-mounted installation



Support up to 6 units parallel connections



IP65 outdoor design



Higher charge / discharge power



Remote diagnosis and real-time data monitoring



Model	TB-L1-5.3					
Electrical Parameters						
Nominal Voltage [V]	51.2					
Nominal Capacity [Ah]	105					
Nominal Energy [kWh] <sup>[1]</sup>	5.3					
Usable Energy (90%DOD) [kWh]	4.8					
Voltage Range [V]	43.2 ~ 57.6					
Max. Continuous Charging Current [A]	60					
Max. Continuous Discharging Current [A]	60					
General						
Battery Type	LiFePO <sub>4</sub>					
Size (Width * Height * Depth) [mm]	360 * 652 * 198.5					
Net Weight [kg]	57					
Scalable	1	2	3	4	5	6
	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh	31.8kWh
Enclosure	IP65 ( Indoor or Outdoor)					
Installation Type	Wall - mounted / Floor - mounted					
Cooling	Natural					
Communication Port	CAN, RS485					
Operation Temperature Range [°C] <sup>[2]</sup>	-10 ~ +55					
Operation Humidity	5 ~ 95%					
Altitude [m]	≤ 2000					
Warranty <sup>[3]</sup> [years]	10					
Cycle Life	6000 @ 80% DOD / 25°C / 0.33C / 60% EOL					
Certification						
Certificates	IEC 61000-6-1 / 3, IEC 62619, UN 38.3					

[1] Nominal Energy: 100% DOD 0.33C charge & discharge at +25°C (test conditions).

[2] Ambient temperature: charging (0 ~ +50°C), discharge (-10 ~ +55°C).

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