

# 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

# Battery

Model	CSTBH3-9.5					
<b>Electrical Parameters</b>						
Nominal Voltage [V]	409.8					
Nominal Capacity [Ah]	23					
Nominal Energy [kWh] <sup>[1]</sup>	9.5					
Usable Energy (90%DOD) [kWh]	8.5					
Voltage Range [V]	345.6 ~ 460.8					
Recommended charge and discharge current (A)	11.5					
Maximum continuous charging current (A)	18.4					
Maximum continuous discharge current (A)	18.4					
Peak Current [A]	23					
Peak Power	10kW					
<b>General</b>						
Battery Type	LiFePO <sub>4</sub>					
Size (Width * Height * Depth) [mm]	530 * 1000 * 245					
Net Weight [kg]	125					
Scalable	1	2	3	4	5	6
	9.4kWh	18.8kWh	28.2kWh	37.6kWh	47kWh	56.4kWh
Enclosure	IP65 ( Indoor or Outdoor)					
Installation Type	Wall - 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[years]	10					
Cycle Life	6000 @ 85% DOD / 25°C / 0.33C / 60% EOL					
<b>Certification</b>						
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),discharging (-17~+53 C).