



TECHNICAL PARAMETERS

Battery Module				
Rated Energy(kWh) ¹	5.12	10.24	15.36	20.48
Usable Energy (kWh) ¹	4.6	9.2	13.8	18.4
Battery Module Energy	5.12kWh			
Number of Modules	1	2	3	4
Cell Type	LFP (LiFePO ₄)			
Cell Configuration	32S1P	64S1P	96S1P	128S1P
Rated Capacity(Ah)	50			
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Operating Voltage Range (V)	91.2~115.2	182.4~230.4	273.6~345.6	364.8~460.8
Recommend Charge/ Discharge Current (A)	25			
Recommend Charge/ Discharge Power (kW)	2.56	5.12	7.68	10.24
Max. Charging/ Discharging Current (A) ²	50			
Max. Charging/ Discharging Power (kW) ²	5.12	10.24	15.36	20.48
Weight (kg)	70	125	180	235
Dimensions (W × H × D mm)	800*560*195	800*840*195	800*1120*195	800*1400*195
Communication	CAN/RS485			
Operating Temperature (°C)	Charge: 0 ~ +50; Discharge: -20 ~ +50			
Operating Temperature (Recommended) (°C)	15~30			
Relative Humidity	5%~95%			
Cycle Life	>6000 (25°C @ 77°F)			
Recommend DOD	90%			
Environment	Outdoor / Indoor (*Please refer to the user manual for installation condition)			
Cooling	Natural convection			
Ingress Protection Rating	IP65			
Max. Operating Altitude (m)	2000			
Mounting Method	Floor stand			
Certificates	CE, IEC62619, UN38.3			
Performance Warranty	12 Years			

Note

1. Value for Battery Cell Only (Depth of Discharge 90%). Actual usable energy at the AC output may vary by condition, such as the battery converter, inverter efficiency and temperature.

2. Futec Energy recommends 25A@2.5kW for maximum battery module lifetime. Max dis-/charge current and power derating will occur related to temperature and SOC.