1.3. TECHNICAL DATA FOR LITHIUM LIFEPO4 BATTERY WITH BLUETOOTH

Model	LFP-12V40AHBL	LFP-12V80AHBL	LFP-12V100AHBL
Nominal Voltage(V)	12.8	12.8	12.8
Nominal Capacity(Ah)	40	80	100
Usable Capacity(Wh)	512	1024	1280
Dimension (mm)	198*166*170	260*168*209	278*175*190 330*172*214
Charge Current(A)	30	60	80
Discharge Current(A)	50	80	100
Cycle Life	≥3000@25	≥3000@25	≥5000@25
Working Temperature (℃)	- 20 ~ 60	- 20 ~ 60	- 20 ~ 60
Discharge Voltage(V)	12.8	12.8	12.8
Charge Voltage(V)	14.6	14.6	14.6
Internal Impedance(mΩ)	≤20	≤20	≤20
Water Dust Resistance	IP65	IP65	IP65
Series or Parallel connections	Only Parallel	Only Parallel	Both acceptable (series max. 4)

Model	LFP-12V110AHBL	LFP-12V150AHBL	LFP-12V165AHBL
Nominal Voltage(V)	12.8	12.8	12.8
Nominal Capacity(Ah)	110	150	165
Usable Capacity(Wh)	1408	1920	2112
Dimension (mm)	278*175*190	330*172*214 355*175*190	355*175*190
Charge Current(A)	80	100	100
Discharge Current(A)	100	150	150
Cycle Life	≥5000@25	≥5000@25	≥5000@25
Working Temperature (℃)	- 20 ~ 60	- 20 ~ 60	- 20 ~ 60
Discharge Voltage(V)	12.8	12.8	12.8
Charge Voltage(V)	14.6	14.6	14.6
Internal Impedance(mΩ)	≤20	≤20	≤20
Water Dust Resistance	IP65	IP65	IP65
Series or Parallel connections	Both acceptable (series max.4)	Both acceptable (series max.4)	Both acceptable (series max.4)

Model	LFP-12V200AHBL	LFP-12V210AHBL	LFP-12V300AHBL
Nominal Voltage(V)	12.8	12.8	12.8
Nominal Capacity(Ah)	200	210	300
Usable Capacity(Wh)	2560	2688	3840
Dimension (mm)	483*171*240 345*190*245	345*190*245	521*238*218
Charge Current(A)	150	150	150
Discharge Current(A)	200	200	200
Cycle Life	≥5000@25	≥5000@25	≥5000@25
Working Temperature (℃)	- 20 ~ 60	- 20 ~ 60	- 20 ~ 60
Discharge Voltage(V)	12.8	12.8	12.8
Charge Voltage(V)	14.6	14.6	14.6
Internal Impedance(mΩ)	≤20	≤20	≤20
Water Dust Resistance	IP65	IP65	IP65
Series or Parallel connections	Both acceptable (series max.4)	Both acceptable (series max.4)	Both acceptable (series max.4)

Model	LFP-24V50AHBL	LFP-24V100AHBL	LFP-24V200AHBL
Nominal Voltage(V)	25.6	25.6	25.6
Nominal Capacity(Ah)	50	100	200
Usable Capacity(Wh)	1280	2560	5120
Dimension (mm)	260*168*209 278*175*190	345*190*245	521*238*218
Charge Current(A)	30	80	150
Discharge Current(A)	50	100	200
Cycle Life	≥5000@25	≥5000@25	≥5000@25
Working Temperature (℃)	- 30～60	- 30～60	- 30～60
Discharge Voltage(V)	25.6	25.6	25.6
Charge Voltage(V)	29.2	29.2	29.2
Internal Impedance(mΩ)	≤20	≤20	≤20
Water Dust Resistance	IP65	IP65	IP65
Series or Parallel connections	Both acceptable (series max.2)	Both acceptable (series max. 2)	Both acceptable (series max. 2)