

### Lithium Iron Phosphate LifePo4 Battery

	50ah	100ah	100ah Slim	150ah	200ah	300ah	55ah HD	110ah HD
Combination method *	4S	2P, 4S	2P, 4S	3P, 4S	4P, 4S	6P, 4S	4S	2P, 4S
Capacity (0.5C)	51000mah	102000mah	102000mah	153000mah	204000mah	306000mah	55000mah	110000mah
Nominal voltage	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V	12.8V
Max. charge voltage	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V	14.6V
Discharge cut-off voltage	10V	10V	10V	10V	10V	10V	10V	10V
Max Charge current	25A	50A	50A	75A	100A	150A	55A	110A
Max Working current	100A	200A	200A	300A	400A	600A	275A	550ah
Pack Impedance standard	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ	1S≤55mΩ
Weight (Approx.)	5.65kg	10.95kg	10.95kg	15.9kg	21.15kg	29.75kg	7.5kg	12.95kg
Max. dimension (L×W×H) (mm)	197*165*168	348*168*220	560*115*190	485*170*245	530*240*220	530*240*220	197*165*180	348*168*220
Operating temperature Charging	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Discharging	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C	-15°C ~ 60°C
Single cell over-charge cut-off voltage	3.85V	3.85V	3.85V	3.85V	3.85V	3.85V	3.85V	3.85V
Warranty	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years

\* S= Series, P= Parallel HD= High Discharge

Battery Cell	
Size	3.2V50AH
Capacity (0.5C)	51000mah
rated voltage (V)	3.2V
Typical Impedance (mΩ)	≤55mΩ
Battery material	LiFePO4
over-charge release voltage	3.65V
Single cell under-discharge cut-off voltage	2.5V
Discharge release voltage	2.5V
Over-discharge cut-off current delay	1.5S
Short-circuit protection	Yes
Short-circuit protection delay	500uS
Condition for the recovery of over-current and Short-circuit	remove load, auto recover
Balance current	45mA
Balance Condition	3.65V

Discharge Rate: 0.5C	
Stage of Discharge	Voltage
5%	11.90V
10%	12.24V
25%	12.55V
50%	12.74V
75%	12.85V
100%	13.6-13.8V

Charging Rate: 10A	
Stage of Charge	Voltage
25%	13.41V
50%	13.51V
75%	13.63V
100%	14.61V

