

Technical Data Sheet for Lifos 68

ELECTRICAL SPECIFICATIONS

Nominal Voltage	12.8V
Nominal Capacity	68Ah
Energy	870Wh
Resistance	≤25mΩ
Efficiency	≥90%
Self Discharge	≤3% per month
Maximum Batteries in Series	N/A
Maximum Batteries in Parallel	2PCS

DISCHARGE SPECIFICATIONS

Max Continuous Discharge Current	≤60A
Peak Discharge Current	80A-120A (under 10sec)
PCM Discharge Current Cut Off	100A ± 5A
PCM High Temperature Cut Off	50°C Charge/60°C Discharge
Recommended Low Voltage Disconnect	≥11.6V
Reconnect Voltage	≥12.8V
Short Circuit Protection	≥800A

TEMPERATURE SPECIFICATIONS

Discharge Temperature	-20 ~ 60°C
Charge Temperature	0 ~ 50°C
Storage Temperature	-20 ~ 40°C
PCM High Temperature Cut-Off	85°C ± 5°C

MECHANICAL SPECIFICATIONS

Dimensions inc terminals (LxWxH)	257.5 x 175 x 200mm
Dimensions without terminals (LxWxH)	257.5 x 175 x 190mm
Weight	7.8kg
Terminal Type	Copper pole, M8
Terminal Torque	22 ~ 30 N.m
Case Material	ABS + PC
Enclosure Protection (IP rating)	IP54
Cell type - chemistry	LiFePO4

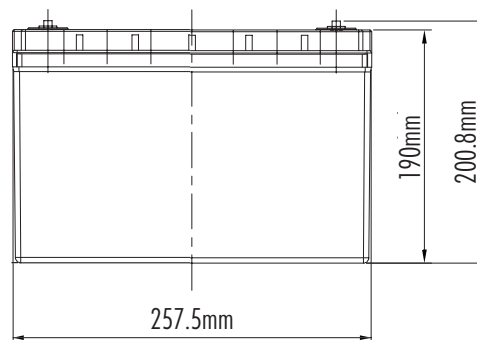
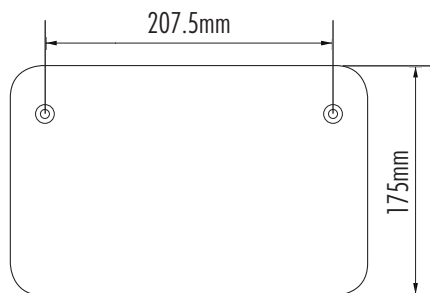
CHARGE SPECIFICATIONS

Recommended Charge Current	10-30A
Maximum Charge Current	40A
PCM Charge Current Cut Off	40A
Recommended Charge Voltage	14.4v
PCM Charge Voltage Cut Off	3.65V ± 0.025V/cell
Reconnect Voltage	3.0V ± 0.1V/cell
Balancing Voltage	3.4V/cell

COMPLIANCE SPECIFICATIONS - CERTIFICATION

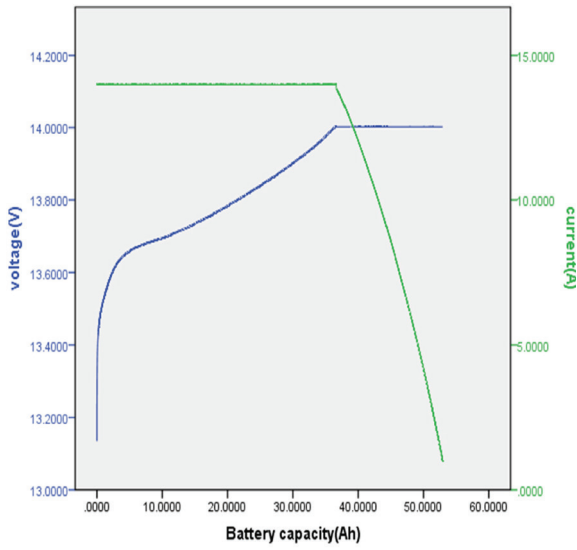
Certifications	CE	TUV
	Rohs	TUV
Shipping Classification	MSDS	

DIMENSIONAL SPECIFICATIONS

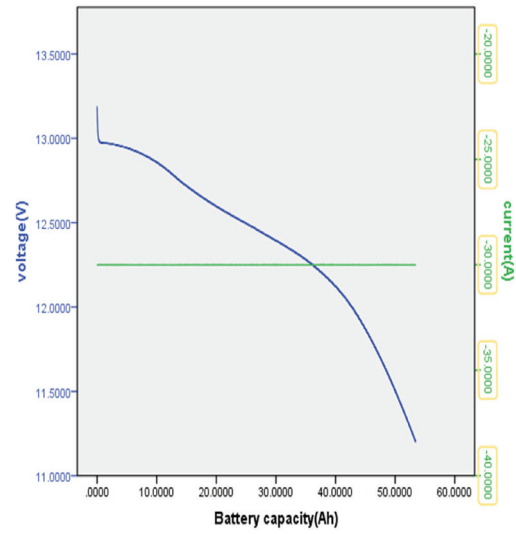


PERFORMANCE CHARACTERISTICS

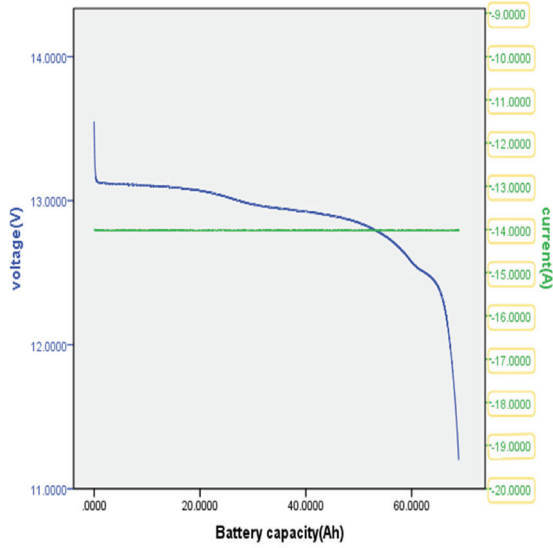
5°C 14A Charging Curve



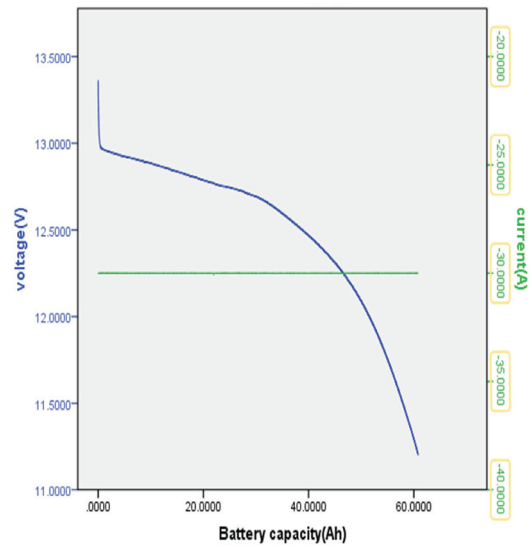
5°C 30A Discharging Curve



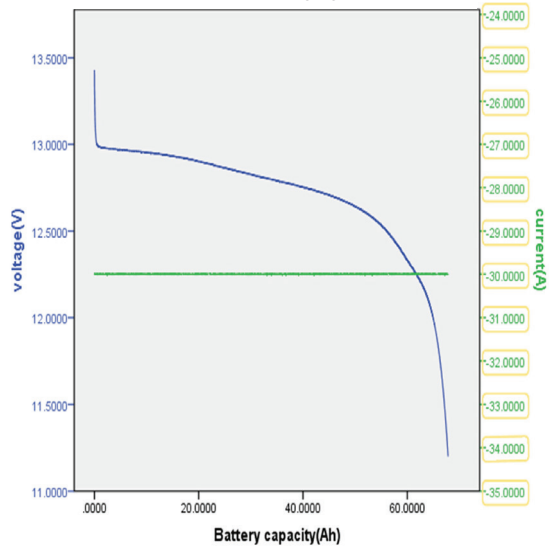
25°C 14A Discharging Curve



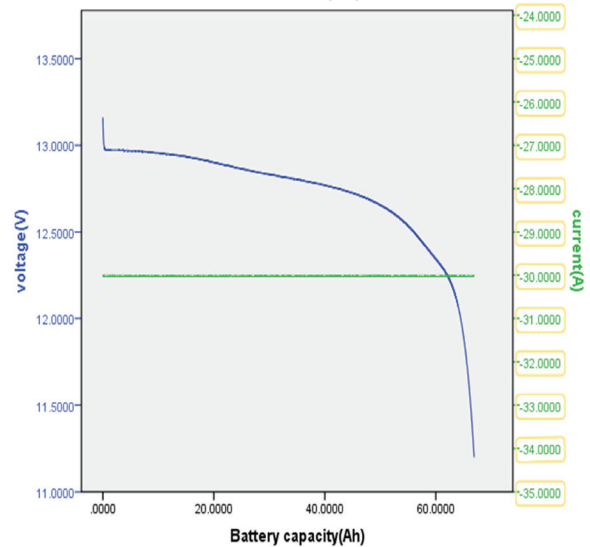
15°C 30A Discharging Curve

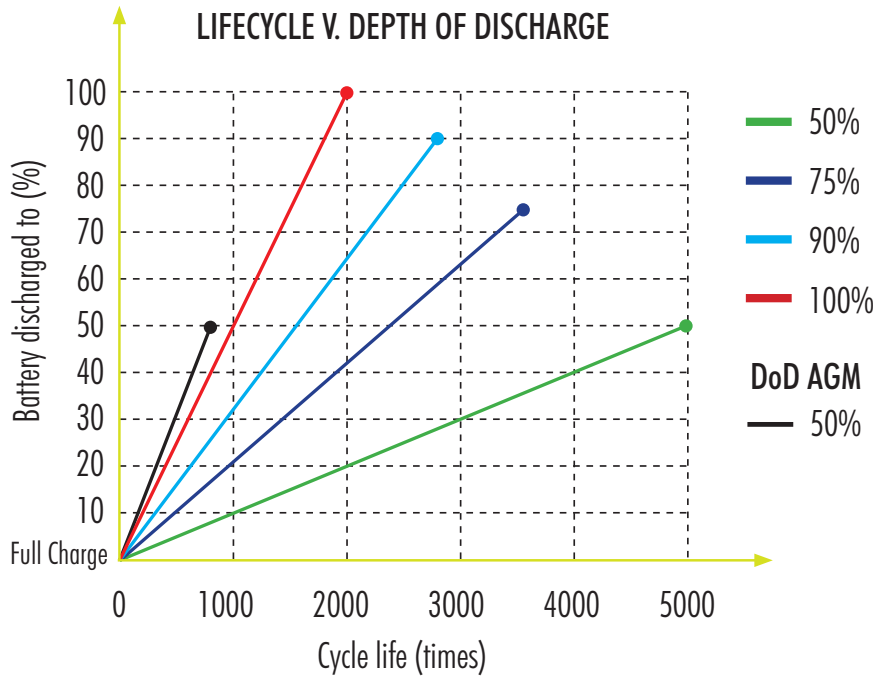


25°C 30A Discharging Curve

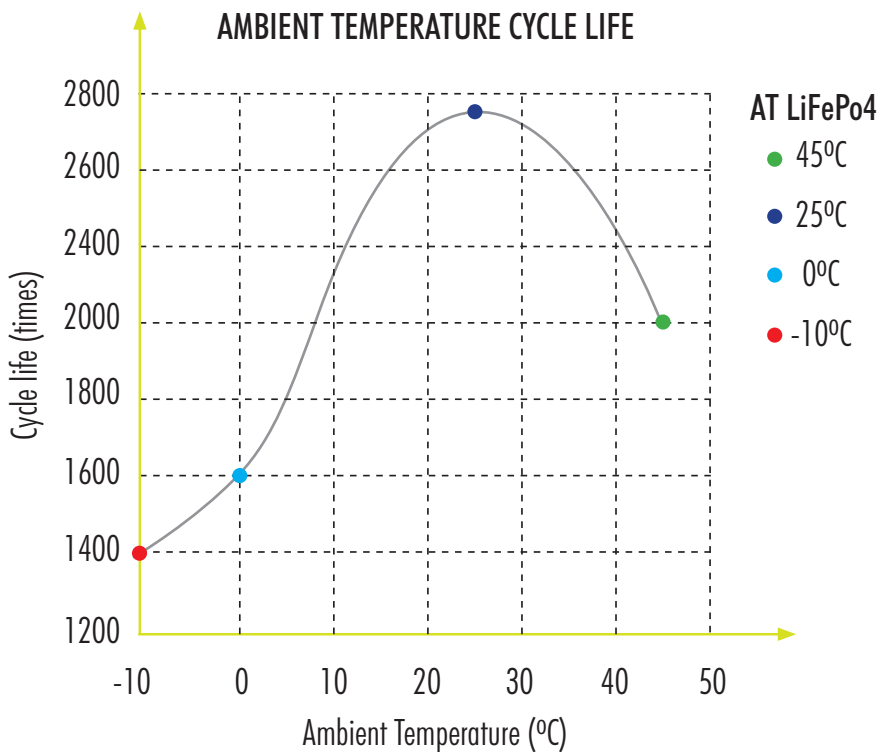


35°C 30A Discharging Curve





Depth of Discharge	100% DOD	90% DOD	75% DOD	50% DOD
Cycle life (times)	2000	2750	3500	5000



Ambient Temperature	-10°C	0°C	25°C	45°C
Cycle life (times)	1400	1600	2750	2000