

# Charge Management Module Specifications For 12.8V LiFe-PO4 Battery Pack

Part Number: CMB-LF128V4

Item	Specification	Remark
Battery pack	12.8V (4S)	LiFe-PO4
Input power	DC:15-20V	Power supply
Input current	≥1.5A	
Charging Voltage	14.4±0.2V	3.6V / 1Cell
Charging Method	CC/CV	Constant-current and -Voltage with Limited current
Standard Charging Current	charging current	1.1A±0.1A
Current consumption	Sleep Model	≤250mA
Standard Charging Time	Hour (can adjust)	Battery Capacity÷Charging Current×1.5
Low voltage alarm	≤8V	2.0V / 1Cell
Short circuit protection	Detection condition	Exterior short circuit
	Release condition	Charge Release
LED condition	Charge	RLED
	Charge full	GLED
	Fuel gauge	25%-100%
Operating temperature	-10~+65℃	
Storage temperature	-40~+125℃	
Weight	50grams MAX	
Outline dimension	L70*W35*T15mm	

## Protection Circuit Module

Maximal continuous discharging current	4A	battery pack
Over-current protection	10A (Can adjust)	
Over-current delay Time	5ms—15ms	
Over-charge detection voltage	3.9V±0.025V	single cell
Over-charge release voltage	3.8V±0.05V	single cell
Over-charge detection delay time	0.5S—1.5S	single cell
Over-discharge detection voltage	2.00V±0.08V	single cell
Over-discharge release voltage	Charge	single cell
Over-discharge detection delay time	50—150ms	single cell
Protection circuit impedance	≤60mΩ	B+ to P+

Size:L70\*W35\*T13mm

