



MC 7 BATTERY DATA SHEET (12.8V / 3.2Ah)



IP67 **UN38.3**

Length	Width	Height
113mm	60mm	86mm
4.5in	2.4in	3.4in

BATTERY TECH DATA

Stored energy	41Wh	
Amp Hour (PdEq)	7Ah, replace 4Ah-7Ah lead acid battery	
Nominal voltage	12.8V	
Volt range	10V-14.6V	
Charge time	Standard	5.5h
	Rapid	1.5h
Charge method	Standard	0.6A/14.4V
	CC-CV	Rapid 3A/14.4V
Max discharge current	Crank	192A
	Continuous	3A
Cycle life	10%	>1000 cycles
	0.5C, 23°C/73°F	100% >300 cycles
Operating temperature range	Charge	0°C~45°C / 32°F~113°F
	Discharge	0°C~45°C / 32°F~113°F
	Storage(1month)	0°C~35°C / 32°F~95°F
	Storage(6month)	10°C~25°C / 50°F~77°F
Water proof	IP67	
Flammability rating	UL94-V0	
Approx weight	0.6kg / 1.3lbs	

BMS PROTECTION

Balance	Current	130mA
	Activate volt	3.45V/ cell
Over-charge	Protection	15.8V (3.95V/cell)
	Release	14.4V (3.6V/cell)
	Time delay	≤2s
Over-discharge	Protection	10.5V (2.5V/cell)
	Release	11.2V (2.8V/cell)
	Time delay	≤3s
Over current	Charge current	≤25A
	Discharge current	≤25A
	Discharge over-current	320±5A
	Time delay	≤5s
High temperature protection (Cell)	Protection	75°C/167°F
	Release	50°C/122°F (charge) 60°C/140°F(discharge)
Low temperature protection (Cell)	Protection	-5°C/ 23°F (charge) -40°C/ -40°F(discharge)
	Release	0°C/ 32°F (charge) -30°C/ -22°F(discharge)
Jump On Start	Cut-off	<30% SOC & no vibration
	Time delay	60 Second
	Wake up	Jump on motorbike or charge battery
Self-consumption	Working	≤20mA
	Sleep	≤300uA
Short-circuit	Protection	420A
	Release	Remove load for the short circuit protection to release
	Time delay	≤500uS

APPLICATION SCENARIOS



MOTORCYCLE



JETSKI



SNOWMOBILE



ATV