accutron ag
Batterien & LED Beleuchtung

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

UL94-V0

IP67 UN38.3

Length	Width	Height
113mm 4.5in	60mm 2.4in	86mm 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 CC-CV	Standard	0.6A/14.4V
	Rapid	3A/14.4V
Max discharge current	Crank	192A
	Continuous	3A
Cycle life 0.5C,23°C/73°F	10%	>1000 cycles
	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℃/167℉
	Release	50℃/122℉ (charge) 60℃/140℉(discharge)
Low temperature protection (Cell)	Protection	-5℃/23℉ (charge) -40℃/-40℉(discharge)
	Release	0℃/32℉ (charge) -30℃/-22℉(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

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