

Overview

The 12v 6Ah rechargeable lithium battery ion from Wattnine is designed to provide high energy density.

Features

- High energy density.
- Equipped with Smart Battery Management System.
- Long cycle life.
- Excellent safety & performance.



Dimensions

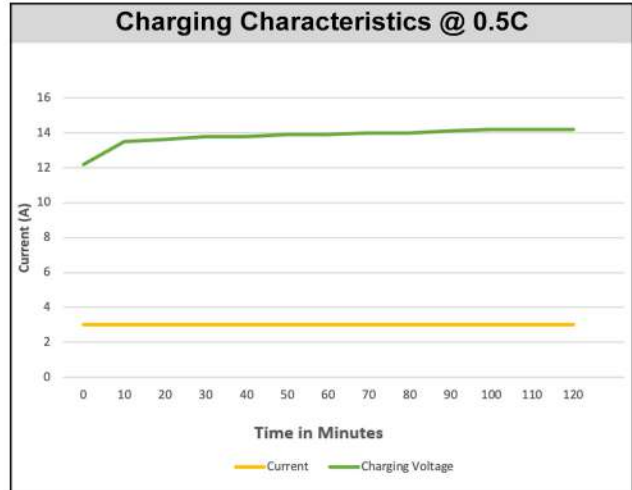
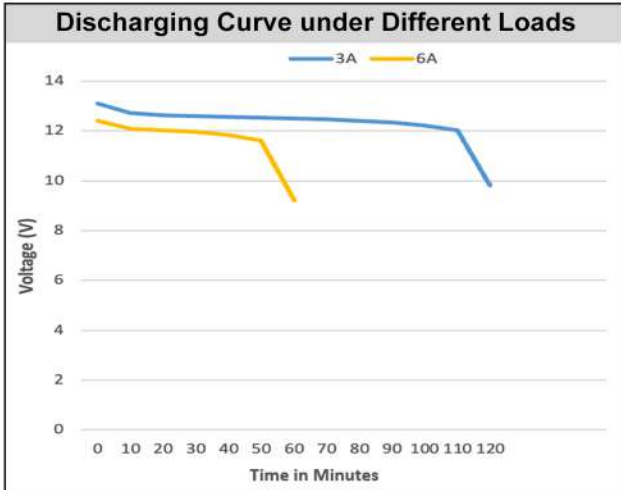


For Charging/Discharging



Battery Specification :

Nominal Characteristics	
Nominal Voltage /V	12V
Nominal Capacity /Ah (0.2C)	10V-14.6V
Operating Voltage Range	
Pack Characteristics	
Design	4S1P
Cell type/ Chemistry	32650/ LFP
Mechanical Characteristics	
Weight	850 gms
Dimensions (LxWxH)	150 x 63 x 94 mm
Charging Characteristics	
Charge Voltage	14.6V
Max. Continues Charge Current	3A
Charging Duration	≈120Mins
Discharging Characteristics	
Max Voltage	14.6V
Min Voltage	10V
Max. Continues Discharge Current	6A



BMS - Battery Management System:

Protection		Range	Units
Over Charge	Trigger Voltage	3.650	V
	Release Voltage	3.560	V
	Delay Time	1	s
Over Discharge	Trigger Voltage	2.320	V
	Release Voltage	2.580	V
	Delay Time	1	s
Over Current	Trigger Current	12.5	A
	Delay Time	40	ms
Balancing Function	Available		
Short Circuit	Delay	300	µs
	Manual Reset	120	ms
	Automatic Reset	Disconnect the Load to Reset	
Thermal Protection	Charging	50	°C
	Dischargin	70	°C
	Low Temperature	-10	°C