

**Overview**

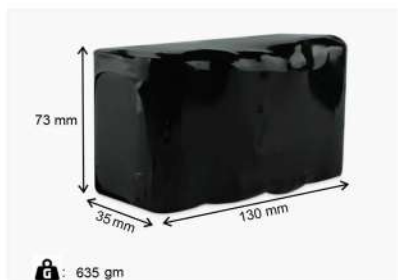
The 12v 6Ah rechargeable lithium ion battery from Wattnine is designed to provide high energy density.

**Features**

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



**Dimensions**

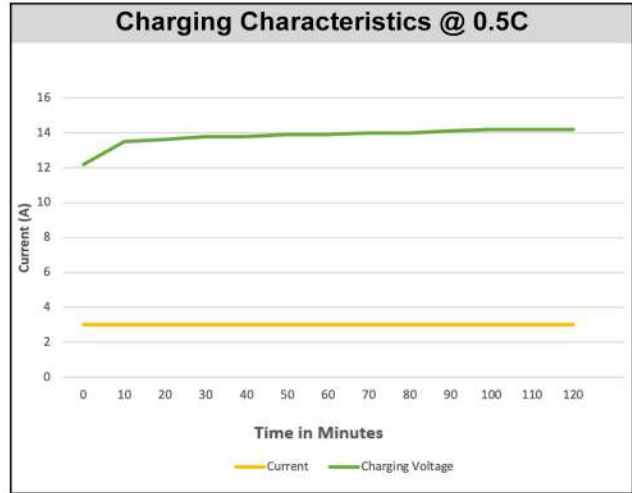
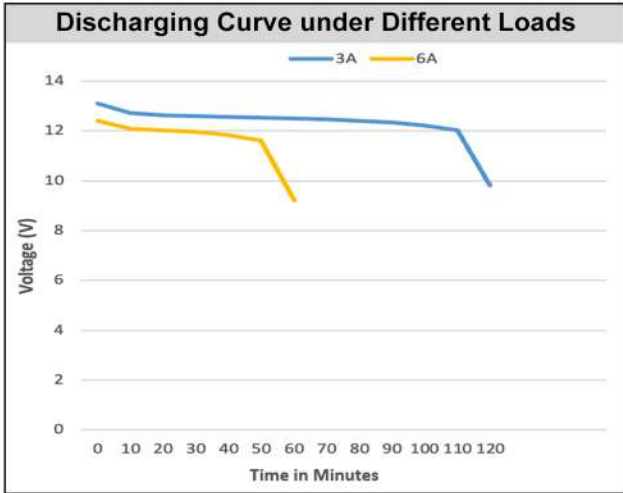


**Discharging (XT-60 Female Connector)**



**Battery Specification :**

<b>Nominal Characteristics</b>	
Nominal Voltage /V	12V
Nominal Capacity /Ah (0.2C)	≈6Ah
Operating Voltage Range	10V-14.6V
<b>Pack Characteristics</b>	
Design	4S1P
Cell type/ Chemistry	32650/ LFP
<b>Mechanical Characteristics</b>	
Weight	635 gms
Dimensions (LxWxH)	130 x 73 x 35 mm
Charging Connector	XT-60 Female Connector
Discharging Connector	XT-60 Female Connector
<b>Charging Characteristics</b>	
Charge Voltage	14.6V
Max. Continues Charge Current	3A
Charging Duration	≈120Mins
<b>Discharging Characteristics</b>	
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