

**Overview**

The 12v 2200mAh rechargeable lithium ion battery from Wattnine is designed to provide high energy density for low-rate applications.

**Features**

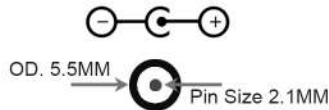
- High energy density.
- Equipped with Smart Battery Management System.
- Low self-discharge rate.
- Long cycle life.
- Excellent safety & performance.



**DC Male Female Charging/Discharging Connector**

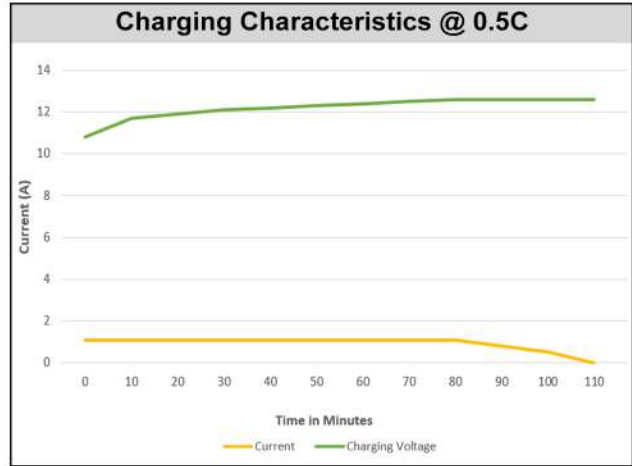
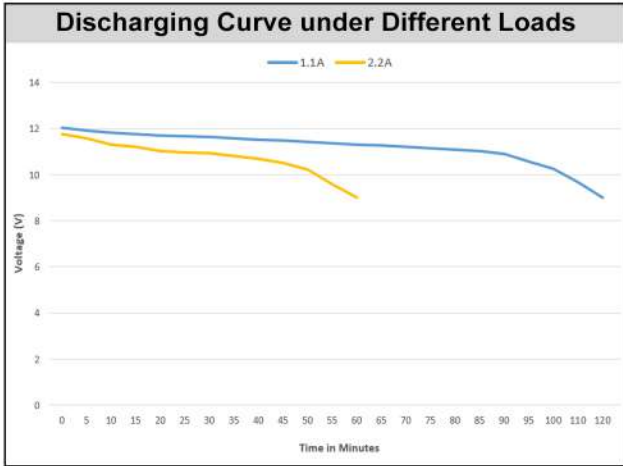


5.5mm X 2.1mm size plug  
Internal Pin Size : 2.1mm  
Outer Diameter : 5.5mm



**Battery Specification :**

<b>Nominal Characteristics</b>	
Nominal Voltage /V	11.1V
Nominal Capacity /Ah (25°C, 0.2C)	≈2200mAh
Operating Voltage Range	9.2V-12.8V
<b>Pack Characteristics</b>	
Design	3S1P
Cell type/ Chemistry	18650/ NMC
<b>Mechanical Characteristics</b>	
Weight	153 gms
Dimensions (LxWxH)	56 x 22 x 68 mm
Charging/Discharging Connector	DC Male Female Connector
<b>Charging Characteristics</b>	
Charge Voltage	12.8V
Max. Continues Charge Current	1.1A
Charging Duration	≈120Mins
<b>Discharging Characteristics</b>	
Max Voltage	12.8V
Min Voltage	9.2V
Max. Continues Discharge Current	2.2A



**BMS - Battery Management System:**

Protection		Range	Units
Over Charge	Trigger Voltage	4.25	V
	Release Voltage	4.05	V
	Delay Time	80	ms
Over Discharge	Trigger Voltage	2.40	V
	Release Voltage	3.0	V
	Delay Time	40	ms
Over Current	Trigger Current	7	A
	Delay Time	40	ms
Balancing Function	NA		
Short Circuit	Delay	500	µs
	Manual Reset	Connect Power Source to Reset	
Thermal Protection	High Temperature	NA	
	Low Temperature	NA	