

Overview

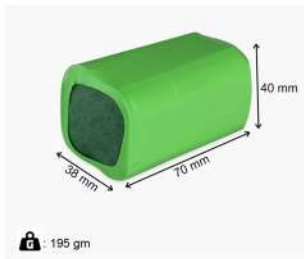
The 14.8v 2600mAh rechargeable lithium battery from Quartz is designed to provide high energy density for low-rate applications.

Features

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



Dimension and Weight



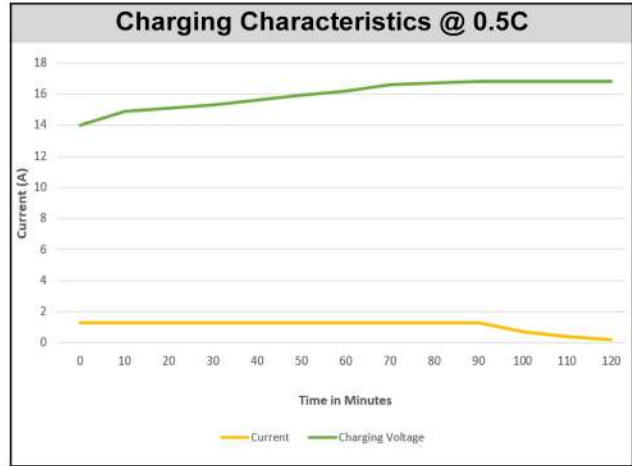
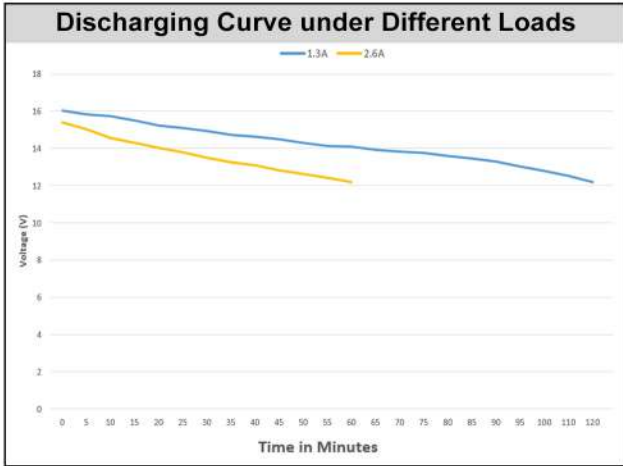
Charging/Discharging Connector



Robot Vacuum Cleaner Battery Pin (Female)

Battery Specification :

Nominal Characteristics	
Nominal Voltage /V	14.8V
Nominal Capacity /Ah (25°C, 0.2C)	≈2600Ah
Operating Voltage Range	12.2V-16.8V
Pack Characteristics	
Design	4S1P
Cell type/ Chemistry	18650/ NMC
Mechanical Characteristics	
Weight	195 gms
Dimensions (LxWxH)	70 x 38 x 40 mm
Charging/Discharging Connector	Robot Vacuum Cleaner Battery Pin (Female)
Charging Characteristics	
Charge Voltage	14.8V
Max. Continuous Charge Current	1.3A
Charging Duration	≈110Mins
Discharging Characteristics	
Max Voltage	16.8V
Min Voltage	12.2V
Max. Continuous Discharge Current	2.6A
Peak Discharge Current	20A



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	23	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	