

Overview

The 24v 20Ah 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.



Dimension and Weight

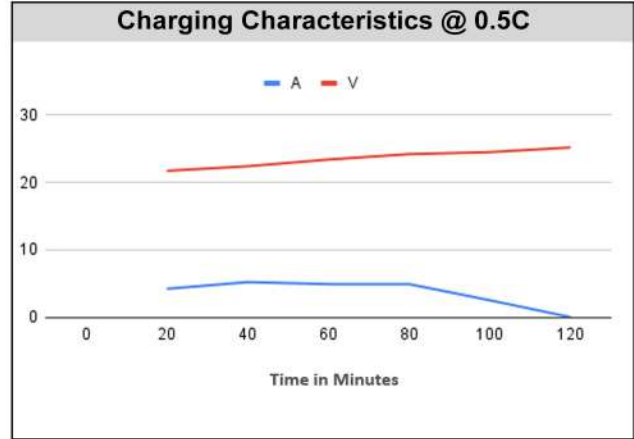
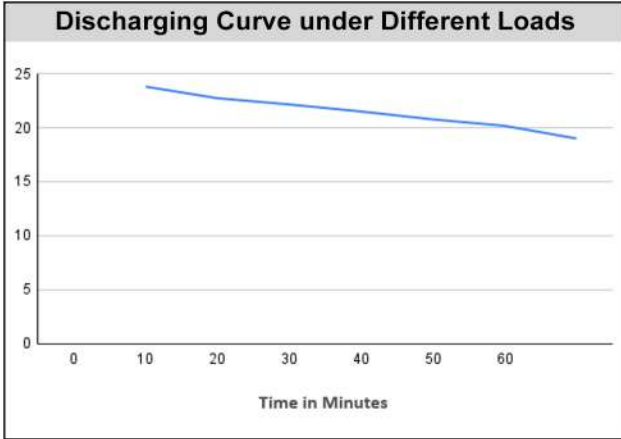


Discharging (XT-60 Connector Female)



Battery Specification :

| Nominal Characteristics | |
|------------------------------------|-------------------|
| Nominal Voltage /V | 24V |
| Nominal Capacity /Ah (25°C, 0.2C) | ≈20Ah |
| Operating Voltage Range | 19.2V-25.2V |
| Pack Characteristics | |
| Design | 6S4P |
| Cell type/ Chemistry | 26700/ NMC |
| Mechanical Characteristics | |
| Weight | 3KG |
| Dimensions (LxWxH) | 185 x 80 x 120 mm |
| Charging/Discharging Connector | XT-60 Connector |
| Charging Characteristics | |
| Charge Voltage | 25.2V |
| Max. Continues Charge Current | 10A |
| Charging Duration | ≈120Mins |
| Discharging Characteristics | |
| Max Voltage | 25.2V |
| Min Voltage | 19.2V |
| Max. Continues Discharge Current | 15A |



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 | |