

Model: Power-Xtra 1S1P - 18650-3.7V 1800 Mah Li-ion Battery - With Connector

Stock Code: 900.600.503.283

TECHNICAL INFORMATION

| Item | Specifications | Conditions |
|------------------------------|---|--|
| Nominal Voltage | 3.7V±0.05V | 0.2C Discharge |
| Charging | Method | CC-CV |
| | Voltage | 4.2V±0.05V |
| Typ. Capacity | 1.800 mAh | 0.2C Discharge cut-off Voltage 2.75V after standard charge at 23±2°C |
| Maximum Charge Voltage | 4.2V | 4.2V/Cell |
| Configuration | 1S1P | |
| Standard Charging Current | 360 mAh (0.2C) | Constant current at 360mA charge to 4.2V, then constant voltage at 4.2V charge till current decline to ≤36mA |
| Standard Discharging Current | 360 mAh (0.2C) | 360mA to 2.75V. |
| Maximum Charging Current | 1.800 mAh (1.0C) | 1800mA to 4.2V |
| Max. Constant Charge Current | 1.8 AH (1.0C) | - |
| Max. Burst Discharge Current | 1.8 AH (1.0C) | - |
| Discharge Cut-Off Voltage | 2.75V | |
| Temperature | Charge | 0 to +10°C |
| | | 10 to +45°C |
| | Discharge | -20 to +60°C |
| | Storage | Less than 1 year: -20~25°C |
| less than 3 months: -20~30°C | | |
| less than 1 months: -20~45°C | | |
| Weight | 50 gr | approximately |
| Cycles Test | <p>During this cycle life test, the ambient temperature should be kept at 23°C ± 2°C. The battery shall be charged at CC/CV=0.5C/4.2V, cut off till current decline to 0.05C, stored for 10mins, then discharged at a constant current of 0.5C to a final voltage of 3.0V, after that, stored 10mins prior to next charge/ discharge cycle. The battery shall be continuously charged and discharged for 300 times</p> <p>Cycle Life≥300 cycles</p> | |

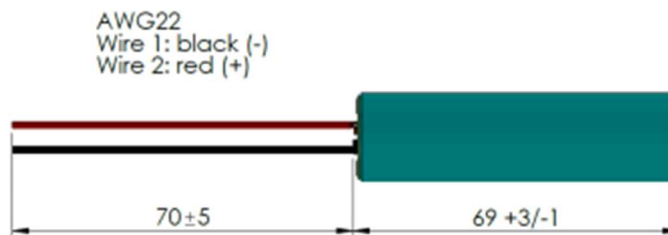
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Battery Pack Technical Drawing / Dimension

| Item | Description | Dimension |
|------|-----------------|--------------|
| T | Thickness | 19.2± 1.0 mm |
| W | Width | 19.2± 1.0 mm |
| L | Length | 69.5± 1 mm |
| CL | Cable Length | 70.0± 1 mm |
| Cn | Connector Model | JST-XHR-2P |

Technical Drawing



Image

