

Parameter	Min	Typical	Max	Units
Configuration	2S1P	-	-	-
Nominal Voltage	7.2V	7.2V	7.4V	V
Usable Capacity	4Ah	4Ah	4Ah	Ah
Raw Cell Capacity	3.3Ah	3.45Ah	3.45Ah	Ah
Energy	28.8Wh	28.8Wh	29.6Wh	Wh
Charge Voltage	-	8.4V	8.4V	V
Charge Current (Standard)	-	1.5A	2A	A
Charge Time (Standard)	-	180-240	-	min
Discharge Current (Max.)	-	2A	5A (Peak)	A
Overcharge Cutoff Voltage	-	-	8.64V	V
Overdischarge Cutoff Voltage	-	-	5.6V	V
Overcurrent Protection	-	Prog.	-	A
Fuel Gauge Accuracy	-	±1%	-	-
Operating Temperature	-20°C	-	60°C	°C
Storage Temperature	-20°C	-	50°C	°C
Cycle Life	500	-	1000	Cycles

Product Description:

The TT1200 battery pack is a 7.2V, 4Ah lithium-ion solution designed with Panasonic NCR18650GA cells and an integrated TT1200 BMS for optimized safety, performance, and longevity. The BMS limits the usable capacity to 4Ah for extended cycle life while providing cell balancing, overcurrent protection, and thermal monitoring.

With a nominal voltage of 7.2V, charge voltage of 8.4V, and peak discharge current of 5A, this pack is suitable for industrial, automotive, and consumer applications. It operates between -20°C to 60°C, has a cycle life of 500-1000 cycles, and complies with IATF 16949, ISO 9001, ISO 14001, and ISO 45001 standards.

Compact and lightweight (~250g), the pack features a 3-pin JST connector and an NTC thermistor (10kΩ) for safe operation. Pre-programmed BMS calibration (Golden File Programming) ensures plug-and-play functionality. For storage, maintain 30-50% charge and recharge every six months.

This TT1200 battery pack delivers high reliability, accurate fuel gauging, and robust protection, making it ideal for demanding power applications.

Safety and Certifications

This battery pack complies with international **safety and quality standards**:

ISO 9001:2015 - Quality Management System.

ISO 14001:2015 - Environmental Management System.

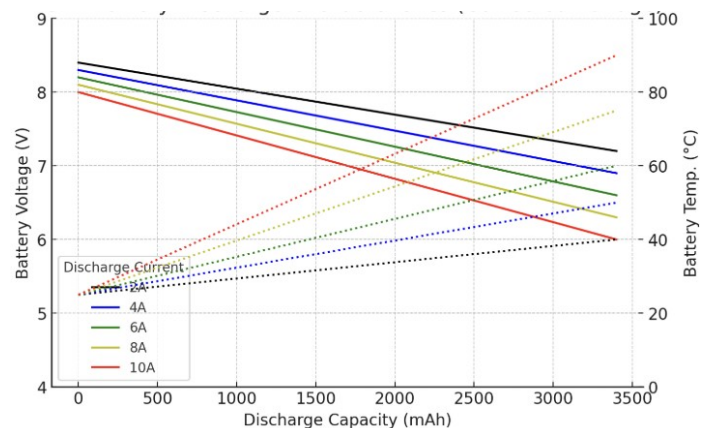
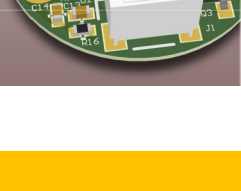
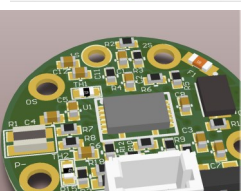
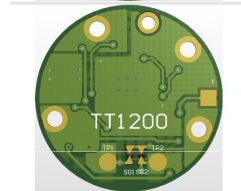
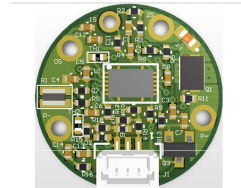
ISO 45001:2018 - Occupational Health & Safety.

UL1642 & IEC62133 - Cell Safety Compliance.



"Your Trusted Partner for Battery Management Solutions"

Parameter	Value	Units
Pack Dimensions	~18x140	mm
Weight	~250	g
Connector Type	3-pin JST	-
NTC Thermistor	10kΩ	-



Contact Us

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