GS2020IM

Standard smart lithium battery pack 10.8V/9300mAh/97.2Wh

Feature

● Worldwide approvals and certification of safety standards.

● Smart batteries with numerous features according to the SMBus specification.

● Integrated LED state of charge (SOC) indicator.

● JEITA charging optimization rules.

● Comprehensive safety protection functions, such as overcharge, over-discharge, overcurrent, overtemperature, short circuit, etc.

● Balance function, effectively improve battery life.
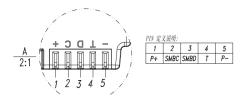
● High precision Fuel gauge.

Application

Suitable for portable electronic equipment, industry and medical field.

Information	
Factory capacity	20%~30%
Compliance information	CE/FCC/IEC62133/UN38.3/PSE/UKCA
Operating temperature	0°C~50°C (Charge)
	-20°C~60°C (Discharge)
Storage temperature	-20°C~50°C（Maximum）
	-20°C~25°C（Recommend）

Electrical parameters	
Rated voltage	10.8V
Rated capacity	9000mAh
Nominal capacity	9300mAh
Internal resistance	＜100mΩ@1kHz at 25℃
Maximum charging current	6.51A
Maximum charging voltage	12.6V
Maximum discharge current	10.0A
Cycle life	1000 cycles≥70% Rated capacity

Dimensions	
Length	148.9mm ± 0.3mm
Width	88.8mm ± 0.3mm
Thickness	19.8mm ± 0.3mm
Weight	480g±10g

Interface	

PIN 定义说明:				
1	2	3	4	5
P+	SMBC	SMBD	T	P−

Recommended Accessories	Type	Product	Application
	Battery Mating Connector	GSC550M18012D GSC550M09010D	Mating connector for standard smart batteries from TEFOO. Available for 90° or 180° PCB mounting.
	SMBus Reader	GSSBR	No external power supply required. Simple read out of SMBus batteries data.
	Power Management Module	GSPMBSMBus	Recharge the battery and seamlessly switch between the adapter and battery power supply, Ready to use without development.
	Smart Battery Charger	GSCH4000A	Compliant with SMBus specification, compatible with all TEFOO smart batteries.
	Dual Smart Battery Charger	GSCH4040	Dual bay charger, Compliant with SMBus specification, compatible with all TEFOO smart batteries.