

# GS2040IM

## 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)

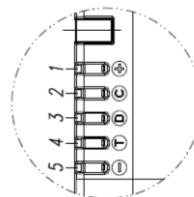
### Electrical parameters

Rated voltage	10.8V
Rated capacity	9000mAh
Nominal capacity	9300mAh
Internal resistance	< 150mΩ@1kHz at 25°C
Maximum charging current	6.51A
Maximum charging voltage	12.6V
Maximum discharge current	8.0A
Cycle life	1000 cycles ≥ 70% Rated capacity

### Dimensions

Length	214.0mm ± 0.3mm
Width	58.5mm ± 0.3mm
Thickness	22.0mm ± 0.3mm
Weight	500g±10g

### Interface



PIN定义说明:

1	2	3	4	5
P+	SCL	SDA	T	P-

Recommended Accessories	Type	Product	Application
	<b>Battery Mating Connector</b>	GSC550M18012D GSC550M09010D	Mating connector for standard smart batteries from TEFOO. Available for 90° or 180° PCB mounting.
	<b>SMBus Reader</b>	GSSBR	No external power supply required. Simple read out of SMBus batteries data.
	<b>Power Management Module</b>	GSPMBSMBus	Recharge the battery and seamlessly switch between the adapter and battery power supply, Ready to use without development.
	<b>Smart Battery Charger</b>	GSCH4000A	Compliant with SMBus specification, compatible with all TEFOO smart batteries.
	<b>Dual Smart Battery Charger</b>	GSCH4040	Dual bay charger, Compliant with SMBus specification, compatible with all TEFOO smart batteries.
	<b>Portable Battery Charger</b>	GSCH040D	Small size, easy to carry, suitable for GS2040 series batteries.
	<b>Battery Cable</b>	GSSBC	Used for battery wiring, making it easy to quickly debug the power supply during the development phase.