

GS2047FH

Standard smart lithium battery pack 7.2V/10350mAh/71.28Wh



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.
- Panasonic cells, highest energy density and stability.
- 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/REACH/RoHS/(EU) 2023/1542
Operating temperature	0°C~50°C (Charge) -20°C~60°C (Discharge)
Storage temperature	-20°C~50°C (Maximum) -20°C~25°C (Recommend)

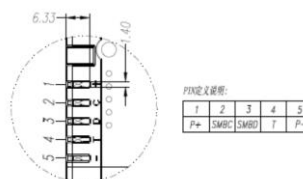
Electrical parameters

Rated voltage	7.2V
Rated capacity	9900mAh
Nominal capacity	10350mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	7.24A
Maximum charging voltage	8.4V
Maximum discharge current	10.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	150.0mm ± 0.3mm
Width	58.5mm ± 0.3mm
Thickness	22.0mm ± 0.3mm
Weight	350g±10g

Interface



Recommended Accessories	Type	Product	Application
 	Battery 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	GSCH40	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.
	Portable Battery Charger	GSCH047D	Small size, easy to carry, suitable for GS2047 series batteries.
	Battery Cable	GSSBC	Used for battery wiring, making it easy to quickly debug the power supply during the development phase.