

GS2024HH

Standard smart lithium battery pack 14.4V/6900mAh/95.04Wh



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/UL2054/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)

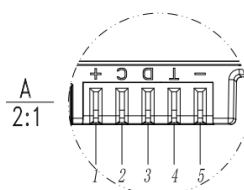
Electrical parameters

Rated voltage	14.4V
Rated capacity	6600mAh
Nominal capacity	6900mAh
Internal resistance	< 150mΩ@1kHz at 25°C
Maximum charging current	4.83A
Maximum charging voltage	16.8V
Maximum discharge current	15.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	167.3mm ± 0.3mm
Width	106.8mm ± 0.3mm
Thickness	21.4mm ± 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
 	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.