

GS2037BH

Standard smart lithium battery pack 7.2V/3450mAh/23.76Wh



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.

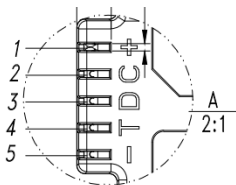
Application

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/GOST-R
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	3300mAh
Nominal capacity	3450mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	2.41A
Maximum charging voltage	8.4V
Maximum discharge current	4.0A
Cycle life	500 cycles≥80% Rated capacity

Dimensions	
Length	85.0mm ± 0.3mm
Width	42.0mm ± 0.3mm
Thickness	22.4mm ± 0.3mm
Weight	130g±10g

Interface



PIN 定义说明:

1	2	3	4	5
P+	SMBC	SMBO	T	P-

GS2037DH

Standard smart lithium battery pack 7.2V/6900mAh/47.52Wh



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/REACH/RoHS/(EU) 2023/1542/CCC
Operating temperature	0°C~50°C (Charge) -20°C~60°C (Discharge)
Storage temperature	-20°C~50°C (Maximum) -20°C~25°C (Recommend)

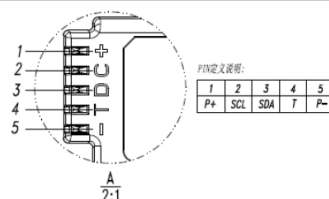
Electrical parameters

Rated voltage	7.2V
Rated capacity	6600mAh
Nominal capacity	6900mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	3.3A
Maximum charging voltage	8.4V
Maximum discharge current	8.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	150.5mm ± 0.3mm
Width	42.0mm ± 0.3mm
Thickness	22.4mm ± 0.3mm
Weight	235g±10g

Interface



GS2034DH

Standard smart lithium battery pack 14.4V/3450mAh/47.52Wh



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/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)

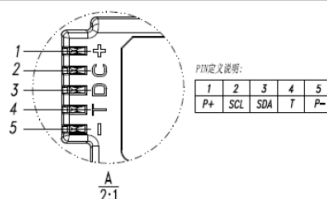
Electrical parameters

Rated voltage	14.4V
Rated capacity	3300mAh
Nominal capacity	3450mAh
Internal resistance	< 200mΩ@1kHz at 25°C
Maximum charging current	1.65A
Maximum charging voltage	16.8V
Maximum discharge current	4.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	150.5mm ± 0.3mm
Width	42.0mm ± 0.3mm
Thickness	22.4mm ± 0.3mm
Weight	235g±10g

Interface



GS2057DH

Standard smart lithium battery pack 7.2V/6900mAh/47.52Wh



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/UL2054/PSE/UKCA/KC/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)

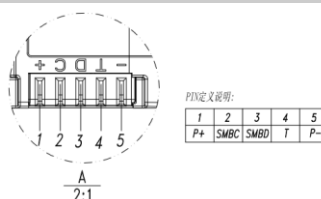
Electrical parameters

Rated voltage	7.2V
Rated capacity	6600mAh
Nominal capacity	6900mAh
Internal resistance	< 180mΩ@1kHz at 25°C
Maximum charging current	3.3A
Maximum charging voltage	8.4V
Maximum discharge current	8.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	85.1mm ± 0.3mm
Width	77.4mm ± 0.3mm
Thickness	22.7mm ± 0.3mm
Weight	235g±10g

Interface



GS2054DH

Standard smart lithium battery pack 14.4V/3450mAh/47.52Wh



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/CCC/KC/RCM
Operating temperature	0°C~50°C (Charge) -20°C~60°C (Discharge)
Storage temperature	-20°C~50°C (Maximum) -20°C~25°C (Recommend)

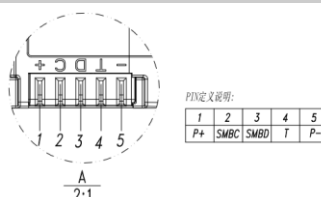
Electrical parameters

Rated voltage	14.4V
Rated capacity	3300mAh
Nominal capacity	3450mAh
Internal resistance	< 200mΩ@1kHz at 25°C
Maximum charging current	1.65A
Maximum charging voltage	16.8V
Maximum discharge current	4.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	85.1mm ± 0.3mm
Width	77.4mm ± 0.3mm
Thickness	22.7mm ± 0.3mm
Weight	235g±10g

Interface



GS2057HH

Standard smart lithium battery pack 7.2V/13800mAh/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.

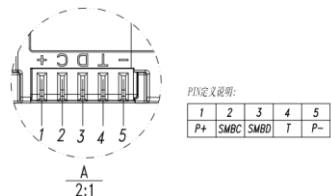
Application

Suitable for portable electronic equipment, industry and medical field.

Information	
Factory capacity	20%~30%
Compliance information	CE/FCC/IEC62133/UN38.3/PSE/UKCA/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	13200mAh
Nominal capacity	13800mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	8.0A
Maximum charging voltage	8.4V
Maximum discharge current	10.0A
Cycle life	500 cycles≥80% Rated capacity

Dimensions	
Length	150.5mm ± 0.3mm
Width	77.4mm ± 0.3mm
Thickness	22.7mm ± 0.3mm
Weight	450g±10g

Interface



GS2054HH

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/KC/CCC/BSMI/ GBT28164/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)

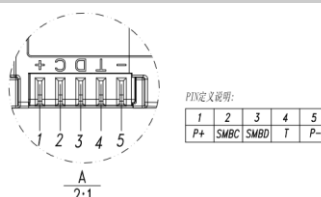
Electrical parameters

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	8.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	150.5mm ± 0.2mm
Width	77.4mm ± 0.2mm
Thickness	22.7mm ± 0.2mm
Weight	450g±10g

Interface



GS2040CH

Standard smart lithium battery pack 10.8V/3450mAh/35.64Wh



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/RCM/GOST-R
Operating temperature	0°C~50°C (Charge) -20°C~60°C (Discharge)
Storage temperature	-20°C~50°C (Maximum) -20°C~25°C (Recommend)

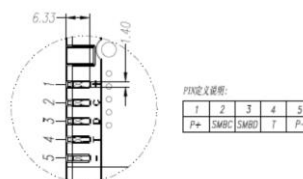
Electrical parameters

Rated voltage	10.8V
Rated capacity	3300mAh
Nominal capacity	3450mAh
Internal resistance	< 150mΩ@1kHz at 25°C
Maximum charging current	2.41A
Maximum charging voltage	12.6V
Maximum discharge current	4.0A
Cycle life	500 cycles ≥ 80% Rated capacity

Dimensions

Length	84.6mm ± 0.2mm
Width	58.5mm ± 0.2mm
Thickness	22.0mm ± 0.2mm
Weight	180g±10g

Interface



GS2040FH

Standard smart lithium battery pack 10.8V/6900mAh/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/UL2054/UN38.3/PSE/UKCA/REACH/RoHS/(EU) 2023/1542/GOST-R
Operating temperature	0°C~50°C (Charge) -20°C~60°C (Discharge)
Storage temperature	-20°C~50°C (Maximum) -20°C~25°C (Recommend)

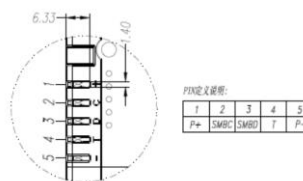
Electrical parameters

Rated voltage	10.8V
Rated capacity	6600mAh
Nominal capacity	6900mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	4.83A
Maximum charging voltage	12.6V
Maximum discharge current	8.0A
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



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)

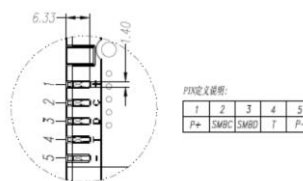
Electrical parameters

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



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

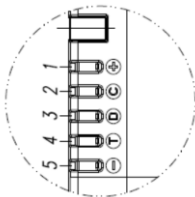
Suitable for portable electronic equipment, industry and medical field.

Information	
Factory capacity	20%~30%
Compliance information	CE/FCC/IEC62133/UN38.3/PSE/UKCA/REACH/RoHS/(EU) 2023/1542/GOST-R
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-

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

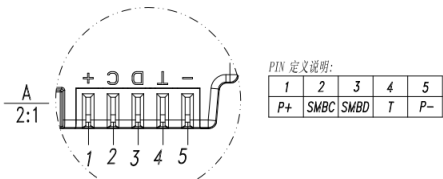
Suitable for portable electronic equipment, industry and medical field.

Information	
Factory capacity	20%~30%
Compliance information	CE/FCC/IEC62133/UN38.3/PSE/UKCA/REACH/RoHS/(EU) 2023/1542/GOST-R
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°C
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



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)

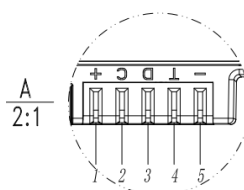
Electrical parameters

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-

GSB1S38

lithium battery pack 3.6V/3450mAh/11.88Wh



Feature

- Worldwide approvals and certification of safety standards.
- High reliability design
- Gold finger interface, detachable
- Comprehensive safety protection functions, such as overcharge, over-discharge, overcurrent, overtemperature, short circuit, etc.

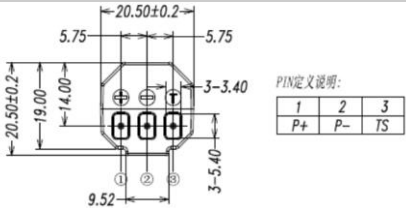
Application

Suitable for portable electronic equipment, industry and medical field.

Information	
Factory capacity	20%~30%
Compliance information	CE/FCC/IEC62133/UN38.3/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	3.6V
Rated capacity	3300mAh
Nominal capacity	3450mAh
Internal resistance	< 100mΩ@1kHz at 25°C
Maximum charging current	2.41A
Maximum charging voltage	4.2V
Maximum discharge current	4.0A
Cycle life	500 cycles≥80% Rated capacity

Dimensions	
Length	75.0mm ± 0.2mm
Width	20.5mm ± 0.2mm
Thickness	20.5mm ± 0.2mm
Weight	55g±5g

Interface



GSB2SA6

lithium battery pack 7.2V/9300mAh/66.96Wh



Feature

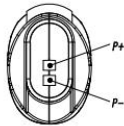
- Comprehensive safety protection functions, such as overcharge, over-discharge, overcurrent, overtemperature, short circuit, etc.
- High energy density battery cells, longer equipment working time.
- 1000 cycle life.


Application

Suitable for Niton XL2/XL3T XRF

Information	
Factory capacity	20%~30%
Compliance information	CE /UN38.3/MSDS/(EU)2023/1542/REACH/RoHS
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	9300mAh
Internal resistance	< 200mΩ@1kHz at 25°C
Maximum charging current	4.0A
Maximum charging voltage	8.4V
Maximum discharge current	4.0A
Cycle life	1000 cycles≥70% Rated capacity
Dimensions	
Length	158.0mm ± 0.2mm
Width	57.6mm ± 0.2mm
Thickness	41.3mm ± 0.2mm
Weight	350g±10g

Interface



Recommended Accessories	Type	Product	Application
	Charger	GSCH2S02	External charger, needs to work with adapter

GSCH034D

Portable Battery Charger

P/N: 15010009



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2034 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	1.3φx3.9φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2034DH: 3.0h

Electrical performance

Input voltage	19-24VDC
Input power	≥28W
Output voltage	16.8V
Charging current	0-1.5A
Maximum output power	25.2W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	52.7mm ± 0.3mm
Width	32.7mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	45g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V029W35135
Rated voltage /current	19V/1.5A
Rated Power	28.5W

GSCH037D

Portable Battery Charger

P/N: 15010004



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2037 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	1.3φx3.9φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2037DH: 4.9h GS2037BH: 2.4h GS2037BL: 1.7h

Electrical performance

Input voltage	10-24VDC
Input power	≥20W
Output voltage	8.4V
Charging current	0-2.0A
Maximum output power	16.8W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	52.7mm ± 0.3mm
Width	32.7mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	45g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V029W35135
Rated voltage /current	19V/1.5A
Rated Power	28.5W

GSCH040D

Portable Battery Charger

P/N: 15010007



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2040 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2040CH: 2.4h GS2040FH: 4.2h GS2040IM: 4.8h

Electrical performance

Input voltage	15-24VDC
Input power	≥28W
Output voltage	12.6V
Charging current	0-2.0A
Maximum output power	25.2W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	68.7mm ± 0.3mm
Width	32.7mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	60g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V048W55210
Rated voltage /current	19V/2.5A
Rated Power	47.5W

GSCH047D

Portable Battery Charger

P/N: 15010010



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2047 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2047FH: 4.4h

Electrical performance

Input voltage	10-24VDC
Input power	≥28W
Output voltage	8.4V
Charging current	0-3.0A
Maximum output power	25.2W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	68.7mm ± 0.3mm
Width	32.7mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	60g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V048W55210
Rated voltage /current	19V/2.5A
Rated Power	47.5W

GSCH054D

Portable Battery Charger

P/N: 15010006



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2054 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2054DH: 2.2h GS2054HH: 4.4h

Electrical performance

Input voltage	19-24VDC
Input power	≥38W
Output voltage	16.8V
Charging current	0-2.0A
Maximum output power	33.6W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	87.6mm ± 0.3mm
Width	33.2mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	73g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V048W55210
Rated voltage /current	19V/2.5A
Rated Power	47.5W

GSCH057D

Portable Battery Charger

P/N: 15010011



Feature

- Wide range voltage input.
- Lightweight, small volume.
- Efficient and fast charging.
- Compatible with GS2057 series batteries.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C
Charging time	GS2057DH: 3.0h GS2057HH: 5.4h

Electrical performance

Input voltage	10-24VDC
Input power	≥28W
Output voltage	8.4V
Charging current	0-3.0A
Maximum output power	25.2W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	87.6mm ± 0.3mm
Width	33.2mm ± 0.3mm
Height	50.6mm ± 0.3mm
Weight	73g ± 5g

LED instruction

Power on	Right light on
Charging	Left light on
Fully charged	Middle light on

Recommended adapter (Optional)

Model	GSP19V048W55210
Rated voltage /current	19V/2.5A
Rated Power	47.5W

GSCH4000A

Smart Battery Charger

P/N: 15010002



Feature

- Wide range voltage input.
- Compliant with SMBus specification, compatible with all TEFOO smart batteries.
- Efficient and fast charging.
- Meet JEITA charging rules.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C

Electrical performance

Input voltage	9-24VDC (The input voltage should be higher than 1V of the standard battery charging voltage)
Input power	≥60W
Output voltage	0-16.8V (Suitable for 2~4 series Smart battery packs)
Charging current	0-4A
Maximum output power	50.4W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	180.0mm ± 0.3mm
Width	92.0mm ± 0.3mm
Height	58.0mm ± 0.3mm
Weight	235g ± 10g

LED instruction

Power on	Blue light is always on
Charging	Green light flashing
Fully charged	Green light is always on
Failure	Red light is always on

Recommended adapter (Optional)

Model	GSP24V060W55210
Rated voltage /current	24V/2.5A
Rated Power	60.0W

GSCH4040

Dual Smart Battery Charger

P/N: 15010008



Feature

- Wide range voltage input.
- Compliant with SMBus specification, compatible with all TEFOO smart batteries.
- Efficient and fast charging.
- Meet JEITA charging rules.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.5φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C

Electrical performance

Input voltage	9-24VDC (The input voltage should be higher than 1V of the standard battery charging voltage)
Input power	≥120W
Output voltage	0-16.8V (Suitable for 2~4 series Smart battery packs)
Charging current	0-4A
Maximum output power (single channel)	50.4W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	145.0mm ± 0.5mm
Width	111.5mm ± 0.5mm
Height	38.0mm ± 1mm

LED instruction

Power on	Blue light is always on
Charging	Green light flashing
Fully charged	Green light is always on
Failure	Red light is always on

Recommended adapter (Optional)

Model	GSP19V120W55250
Rated voltage /current	19.5V/6.15A
Rated Power	120W

GSCH1S04

Four Bay Battery Charger

P/N: 15010001



Feature

- Wide range voltage input.
- Compatible with USB C and DC inputs
- PD fast charging protocol
- Simultaneously charging 4 batteries
- Real time monitoring of battery temperature to ensure Efficient and fast charging.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	I: 2.5φx5.5φDC II: USB-C (PD)
Output Interface	3PIN Metal connectors
Operate temperature	-30°C~70°C
Charge temperature	0°C~45°C

Electrical performance

Input voltage	5-12VDC
Input power	≥18W
Output voltage	0-4.2V
Charging current	0-1.6A
Maximum output power (single channel)	6.7W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	79.0mm ± 0.3mm
Width	79.0mm ± 0.3mm
Height	30.0mm ± 0.3mm

LED instruction

Power on	The central white light on
Charging	Channel red light on
Fully charged	Channel green light on
Failure	Channel red light flashing

GSCH40

Smart Charger

P/N: 15010013



Feature

- Wide range voltage input.
- Compliant with SMBus specification, compatible with all TEFOO smart batteries.
- Efficient and fast charging.
- Meet JEITA charging rules.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for portable electronic equipment, industry and medical field.

Overview

Input interface	2.1φx5.5φDC
Output Interface	5PIN Blade smart battery interface
Operate temperature	-30°C~70°C
Charge temperature	0°C~50°C

Electrical performance

Input voltage	9-24VDC (The input voltage should be higher than 1V of the standard battery charging voltage)
Input power	≥60W
Output voltage	0-16.8V (Suitable for 1~4 series Smart battery packs)
Charging current	0-4A
Maximum output power	50.4W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	111.0mm ± 0.3mm
Width	84.0mm ± 0.3mm
Height	35.0mm ± 0.3mm
Weight	200g ± 10g

LED instruction

Power on	Blue light is always on
Charging	Green light flashing
Fully charged	Green light is always on
Failure	Red light is always on

Recommended adapter (Optional)

Model	GSP24V060W55210
Rated voltage /current	24V/2.5A
Rated Power	60.0W

GSCH2S02

Battery Charger



Feature

- Efficient and fast charging.
- Compatible with GSB2SA6 battery.
- Complete safety protection functions, such as over charging, over discharging, over current, over temperature, short circuit, etc.

Application

Suitable for GSB2SA6 battery.

Overview

Input interface	1.0mmφx3.9mmφDC(DC-033-10A)
Output Interface	2PIN Pogopin
Operate temperature	0°C~55°C

Electrical performance

Input voltage	12V DC
Input power	≥36W
Output voltage	8.4V
Charging current	0-3.3A
Maximum output power	29W
Charging efficiency	> 85%
Safety certification	CE/FCC

Dimensions

Length	97.49mm ± 0.3mm
Width	91.23mm ± 0.3mm
Height	109.84mm ± 0.3mm
Weight	235g ± 5g

LED instruction

Power on	Red light on
Charging	Yellow light on
Fully charged	Green light on