

Model: GS4040IL

10.8V/8100mAh/87.48Wh

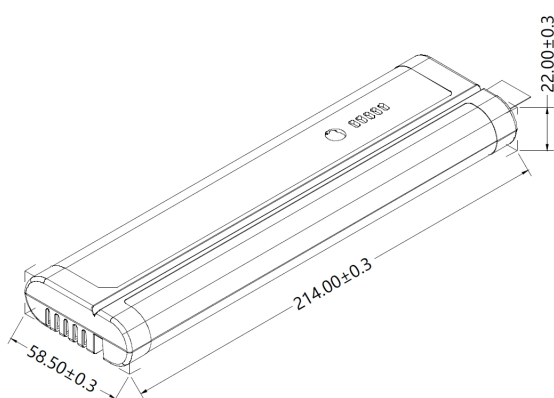
■ Features

- Compliant SMBus v1.1 Smart Battery specification
- Supports low-temperature applications with a minimum of -40°C
- Integrated LED RSOC indicator
- Comprehensive protection functions
- Integrated balancing function effectively improves battery life
- Fuel gauge accuracy up to 1%

■ Application

Portable electronics, medical equipment, ruggedized computers, embedded systems, etc.

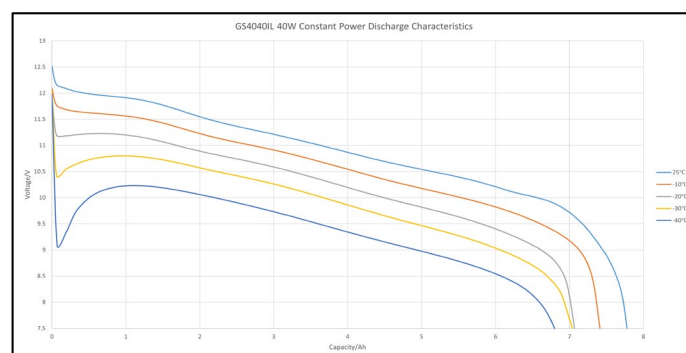
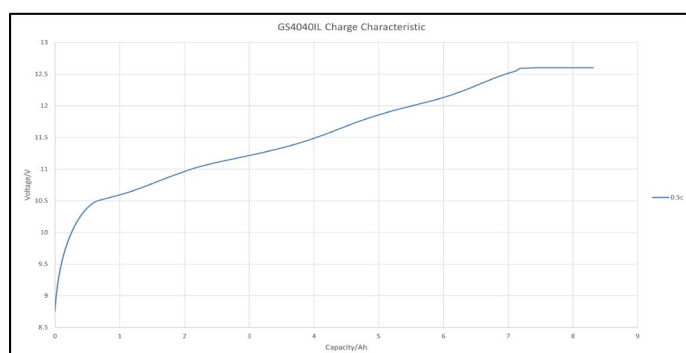
■ Dimension drawing (Unit: mm)



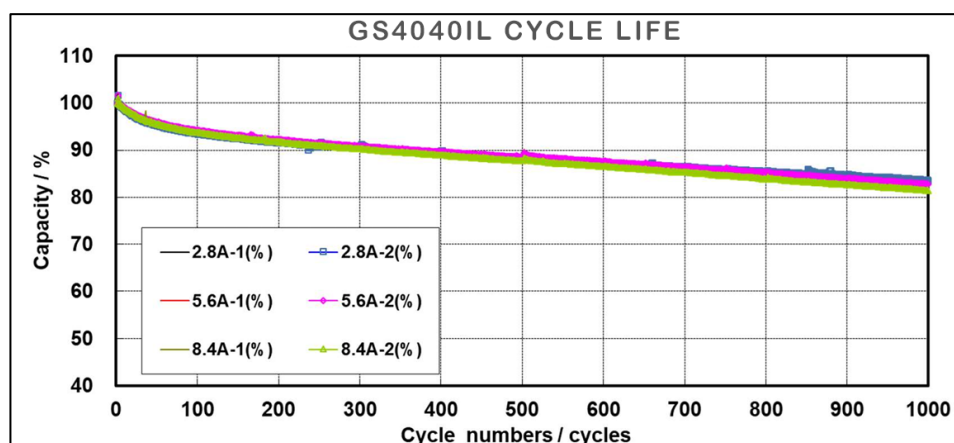
■ Key parameters

Rated voltage	10.8V
Rated capacity	8.1Ah
Nominal capacity	8.4Ah
charging temperature	$0^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Discharge temperature	$-40^{\circ}\text{C} \sim 60^{\circ}\text{C}$
Max charging voltage	12.6V
Max charging current	8.0A
Max discharge current	8.0A
Cycle life	500 cycles, 80%
Internal resistance	$< 150\text{m}\Omega$
Weights	$485\text{g} \pm 10\text{g}$
Interface	+ / C / D / T / -

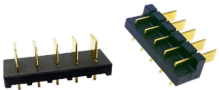
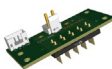



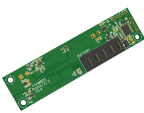



■ Charge and Discharge Characteristics



■ Cycle life



■ Selection Of Accessories

Recommended	Categories	Models	Purpose
	Battery Connector	GSC550M18012D GSC550M09010D	Mating male connector for 180° or 90° PCB mounting on the host side
	Battery Connector Board	GSCBB	Connection plate mounted in the unit's battery compartment
	Battery Adapter Cable	GSSBC	Suitable for standard smart battery connection
	SMBus Reader	GSSBR	Quick readout of battery data and status without external power supply, a simple and effective R&D tool
	Battery Power Management Board	GSPMBSMbus	Buck charging of batteries and seamless switching between mains and battery power
	Battery Power Management Board	GSPMB20	Boost or buck charging of batteries and seamless switching between mains and battery power, using multiple GSPMB20s to support parallel powering of battery packs
	Portable Battery Charger	GSCH040D	Lightweight, small volume. Efficient and fast charging. Compatible with GSX040 series batteries.
	Single Charger	GSCH40	SMBus V1.1 compliant, compatible with all TEFOO standard smart battery packs
	Dual Charger	GSCH4040	SMBus V1.1 compliant, compatible with all TEFOO standard smart battery packs

■ Relevant Certification



* Please confirm the authentication status of the gray dotted box with our business personnel.