

INDUSTRIAL LITHIUM-ION BATTERY

LIM25H MODULE

Based on more than 20 years of experience developing and manufacturing industrial lithium-ion batteries, GS Yuasa has developed the LIM25H series of high-power batteries.

Product
features

High specific power density !

25Ah capacity

Charge or Discharge at up to 600A(24C) peak currents

Cost effective !

Due to high power characteristics there is no need to over-size the system.

Capable of more than 10,000 cycles at 100% depth of discharge ! ※

Suitable for many high-power applications such as:

- Industrial hybrid systems (AGV, cranes, trains, etc.)
- High-power energy storage systems
- Systems requiring very fast recharging
- Other industrial high-power systems...

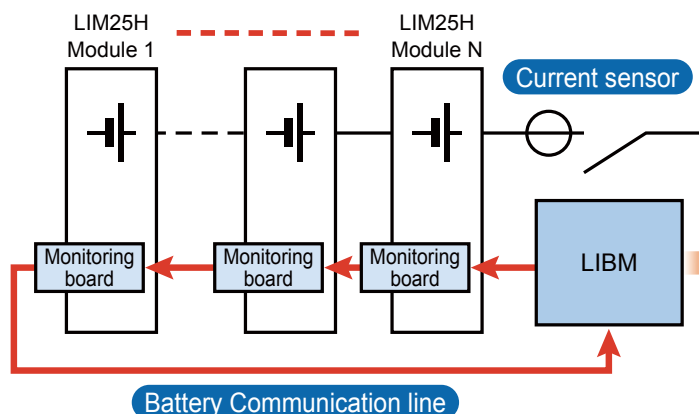


※ GY test condition.
Charging/Discharging rate: 25A
Ambient temperature: 25°C

Monitoring and Communication Features:

- ▶ Monitors individual cell voltages and module temperature.
- ▶ Performs cell balancing.
- ▶ Battery data and status signals are output to the host device via CANbus or RS485.
- ▶ Monitoring and control of fan operation (if fan option is selected).

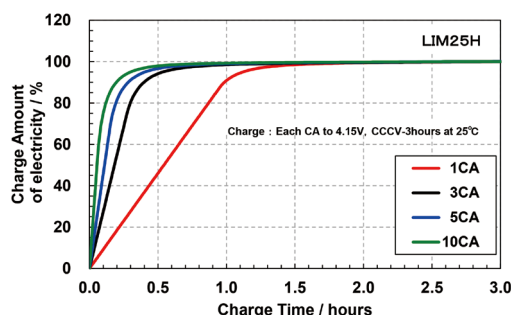
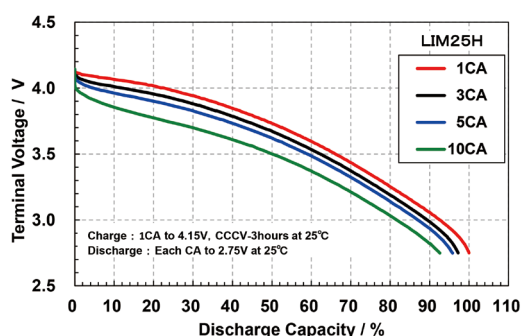
System Design (example)



Lithium Ion Battery Manager (LIBM)

- ※LIBM(Lithium Ion Battery Manager):
Monitors and controls the battery performance within safe operating limits.
- Monitors: individual cell voltages, over & under temperature, SOC, over-current, over-charge, fault detection etc.

Charge / Discharge characteristics (example)



Specification

Model	Nominal capacity (Ah)	Cell Qty	Nominal Voltage (V)	Max pulse charge / discharge current	Dimensions (mm)			Mass (kg)
					Width (W)	Length (L)	Height (H)	
LIM25H-8	25	8	28.8	600 (24C)	219	440	128	17.5
LIM25H-12	25	12	43.2	600 (24C)	219	617	128	27.0

Operating ambient temperature range (°C) -20 ~ 45



AWARDED JAPANESE QUALITY
RECOGNITION BY POWER SYSTEM
GROUP IN 2008



RE 009



Kyoto factory: ISO14001 certified
Dec 24, 1997



ISO9001 certified
JQA-1397

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