

LITHIUM-ION BATTERY MODULE

The LIM50EN Series from GS Yuasa is a premium rechargeable Lithium-Ion battery module. These modules are manufactured in Japan using the highest quality components and under rigorous Japanese quality control standards. These long service life, high cycle life batteries are designed to deliver excellent performance in high-power applications where high charge and discharge rates are required.

The LIM50EN Series of battery modules are ideally engineered for the requirements of a wide variety of industrial energy storage applications including: Renewable Energy, Smart Grid Energy Storage and Automated Guided Vehicles (AGV). The high performance LIM50EN Series from GS Yuasa is an excellent choice for any energy storage application requiring extremely reliable performance and high power delivery capability.

HIGH CYCLE LIFE

+ 10,000+ cycles at 50% Depth of Discharge (DOD)

RAPID CHARGING

+ Charges to 70% of rated capacity
in less than 30 minutes

EXCELLENT HIGH CURRENT CHARGE/ DISCHARGE

+ Maximum charge current 125A
+ Maximum discharge current 200A
continuous / 300A (60 sec)

BATTERY MANAGEMENT SYSTEM (BMS)

+ Integrated BMS actively balances cells and monitors cell voltage, temperature, SOC, over current and overcharge. Accessible through CANbus, RS-495, or local touch panel.

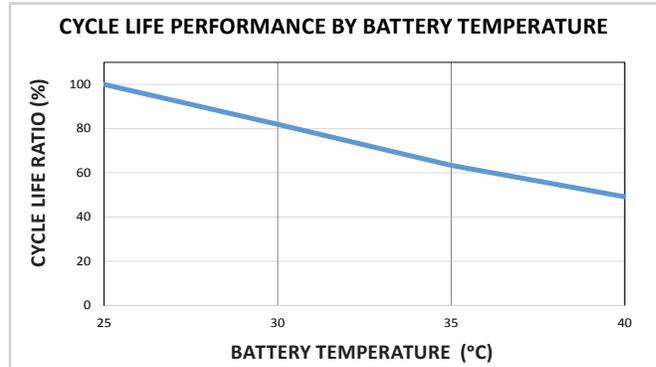
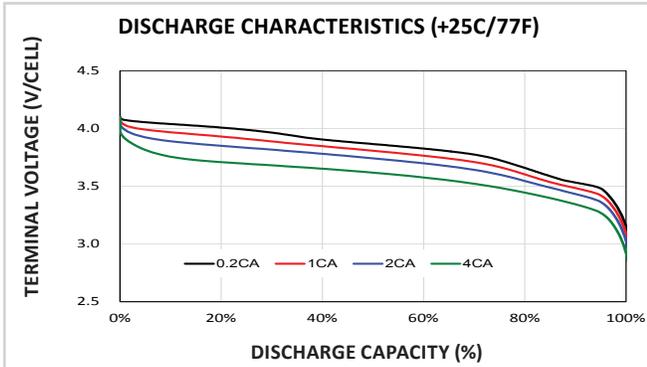
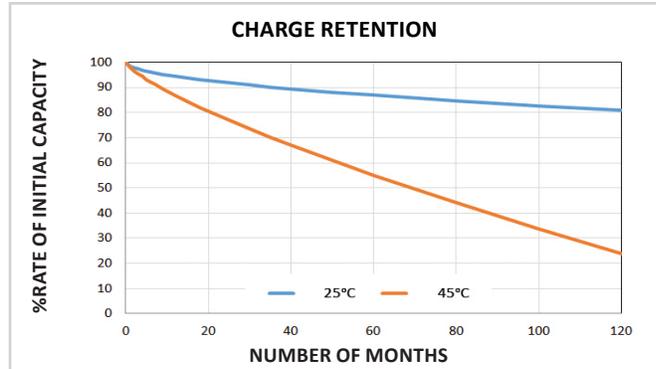
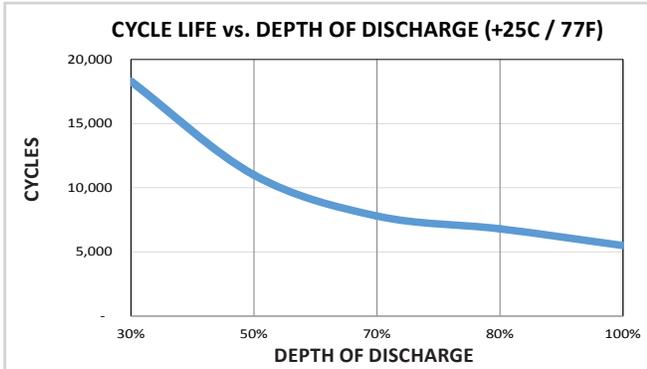
PARTIAL STATE OF CHARGE PERFORMANCE

+ Performance not effected by partial
state of charge (PSOC) operation

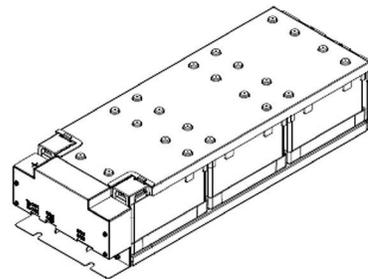
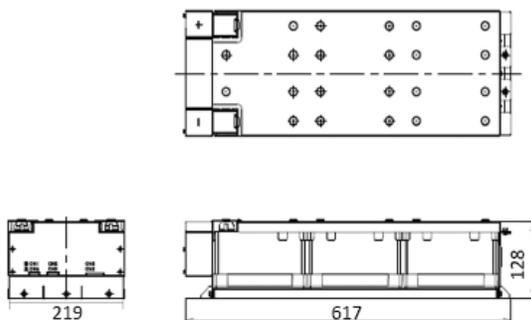


SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	RATED CAPACITY at 8 Hr (Ah)	L		W		H		WEIGHT	
			mm	in.	mm	in.	mm	in.	kg	lbs.
LIM50EN-8S2-F2-K	29.6	47.5	440	17.32	219	8.62	128	5.04	18.0	39.68
LIM50EN-12S2-F2-K	44.4	47.5	617	24.29	219	8.62	128	5.04	27.0	59.52



The data is for reference purposes. Actual performance varies by condition.



ABOUT GS YUASA ENERGY SOLUTIONS, INC.

GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.

