



LIM50EN SERIES

Lithium-ion Battery

RELIABILITY AND HIGH PERFORMANCE VERSATILE LITHIUM-ION MODULES FOR THE DEMANDS OF RENEWABLE ENERGY STORAGE PROJECTS



HIGH CYCLE LIFE

Engineered to deliver high cycle life and high power. These batteries are rated for **10,000 cycles @50% DOD, 6,700 cycles @ 80% DOD.**



EXCELLENT HIGH CURRENT CHARGE/ DISCHARGE CAPABILITY

Designed for high specific power density and **peak charge and discharge rates up to 6C.**



PARTIAL STATE OF CHARGE PERFORMANCE

Not effected by partial state of charge (PSOC) operation. The formation of sulfate crystals that causes early failure in other battery chemistries is not a factor in this battery.



RAPID CHARGING

Engineered to accept a charge extremely rapidly. These batteries can charge to **70% of rated capacity in 30 minutes.**



HIGH EFFICIENCY

Very low energy conversion losses and delivers **greater than 95% round trip efficiency** during each charge and discharge cycle.



INTEGRATED BATTERY MANAGEMENT SYSTEM (BMS)

Includes an integrated BMS which **actively balances cells and monitors cell voltage, temperature, state of charge (SOC), over-current, over-charge and provides fault detection** via CANbus or RS485.

ABOUT THE LIM50EN SERIES

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 battery module is 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.

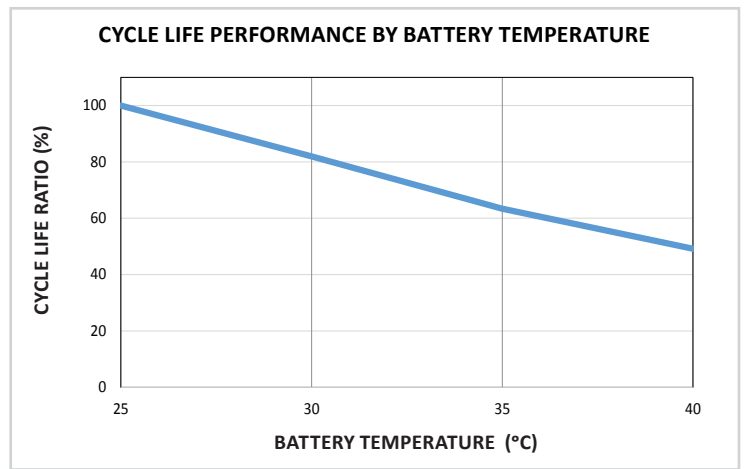
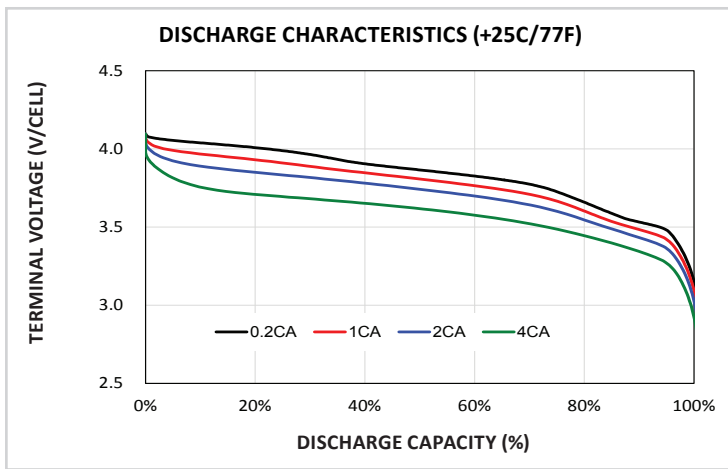
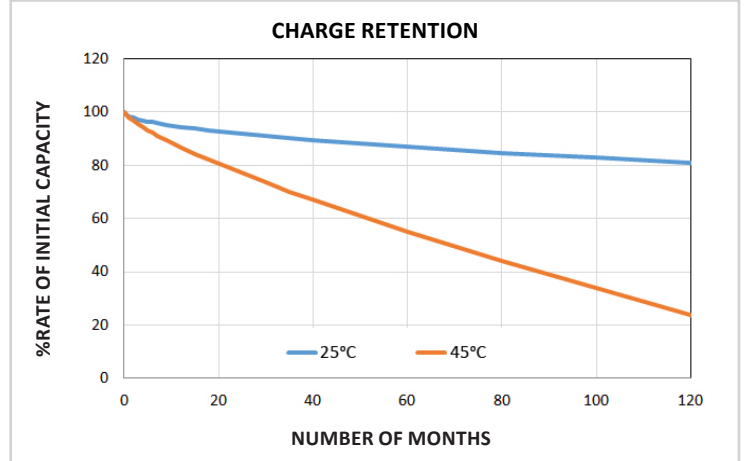
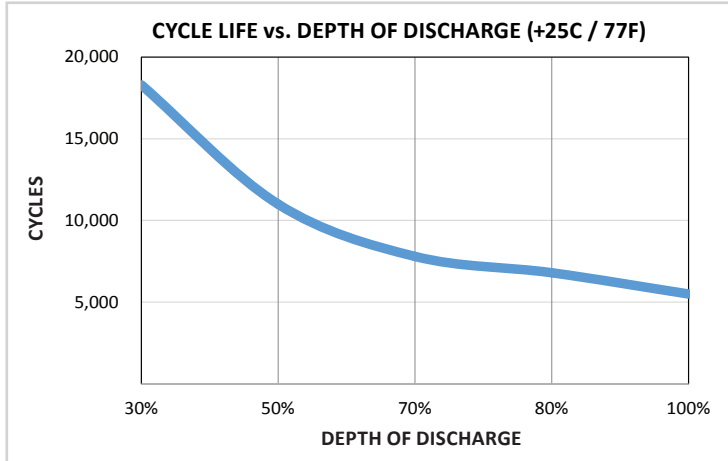
ABOUT GS

GS BATTERY (U.S.A.) INC. is an American subsidiary of GS Yuasa Corporation Japan, the global leader in energy storage. Our batteries and energy storage systems are manufactured to the highest standards and deliver high quality, long life and superior performance in a wide variety of mission critical applications. GS Battery's products deliver reliable battery power for Telecommunications, Renewable Energy, Uninterruptible Power Supply (UPS), Emergency Lighting, Power Sports, and Automotive industries.

FIND OUT MORE

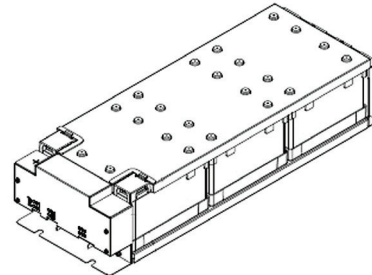
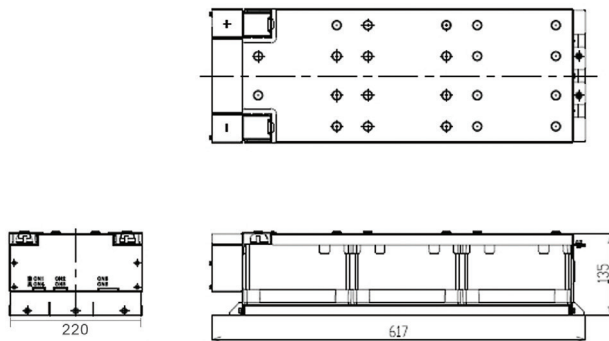


The data is for reference purposes. Actual performance varies by condition.



SPECIFICATIONS

MODEL NUMBER	NOMINAL VOLTAGE	RATED CAPACITY	DIMENSIONS						BATTERY WEIGHT	
			L		W		TH		kg	lbs.
			mm	in.	mm	in.	mm	in.		
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		617	24.29					27.0	59.52



Dealer Information