



LIM40E SERIES

Lithium-ion Battery

SAFETY, RELIABILITY AND HIGH PERFORMANCE VERSATILE LITHIUM-ION MODULES FOR THE DEMANDS OF TELECOMMUNICATIONS PROJECTS



ABOUT THE LIM40E SERIES

The LIM40E SERIES from GS Yuasa are premium rechargeable, Lithium-Ion batteries. These batteries are manufactured in Japan using the highest quality components and under rigorous Japanese quality control standards. These versatile battery modules are designed and manufactured to safely deliver high performance across a wide temperature range and in a variety of critical applications.

LIM40E SERIES battery modules are configured for the energy storage requirements of Remote Cellular Towers and Telecommunications Base Stations where grid power is unavailable or unreliable. In these challenging locations the LIM40E SERIES dramatically reduces Total Cost of Ownership (TCO) and improves overall system and signal reliability.

The LIM40E SERIES is ideal for providing a good balance of safety, energy and power. The LIM40E SERIES is the right battery module for the demands of most Telecommunications energy storage projects.



HIGH CYCLE LIFE

Designed for the high cycle life requirements of remote telecommunications energy storage systems. These batteries are rated for **10,000 cycles @50% DOD, 6,700 cycles @ 80% DOD**



RAPID CHARGING

Engineered to accept a charge extremely rapidly. These batteries can charge to 90% of rated capacity in less than **1 hour**.



COLD TEMPERATURE PERFORMANCE

Offers industry leading tolerance of extremely cold temperature environments. This battery can safely operate at temperatures down to **-20°C (-4°F)**.



LOW MAINTENANCE

Features our exclusive Automatic Recovery capability. This feature allows the batteries to **restart after a battery stop without a site visit from a technician**.



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.



GENERATOR COMPATIBILITY

A unique battery chemistry where voltage decreases evenly with state of charge. This allows **battery voltage to be used as a generator start signal** and reduces generator run hours.



ANTI-THEFT

Designed with a number of proprietary anti-theft features. These features reduce the usability of the battery module outside of its designed environment. This discourages potential thieves and **decreases battery loss from theft**.

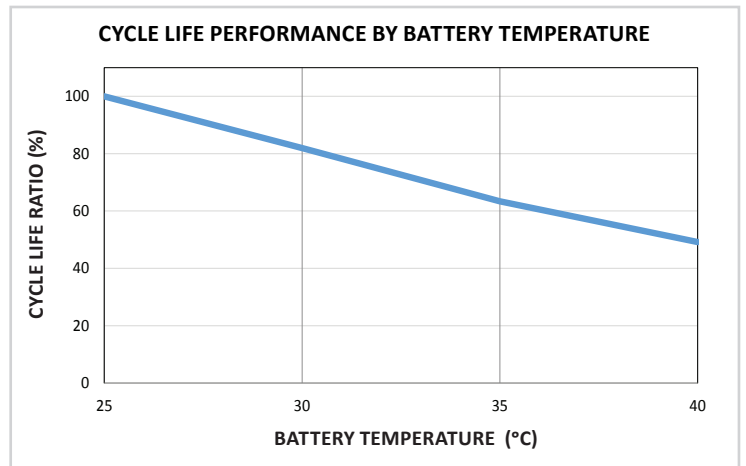
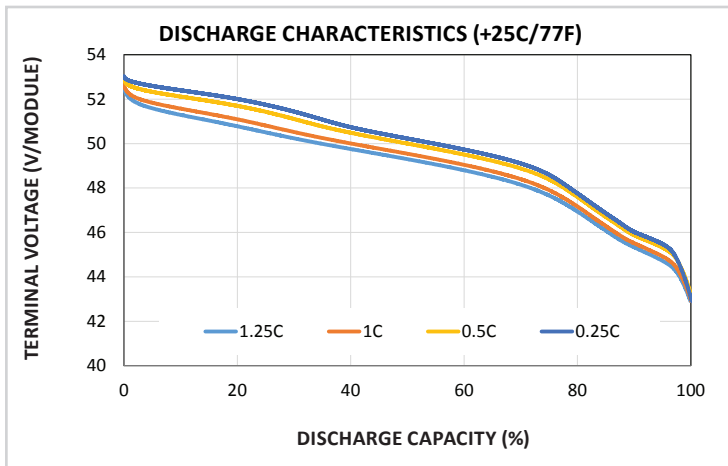
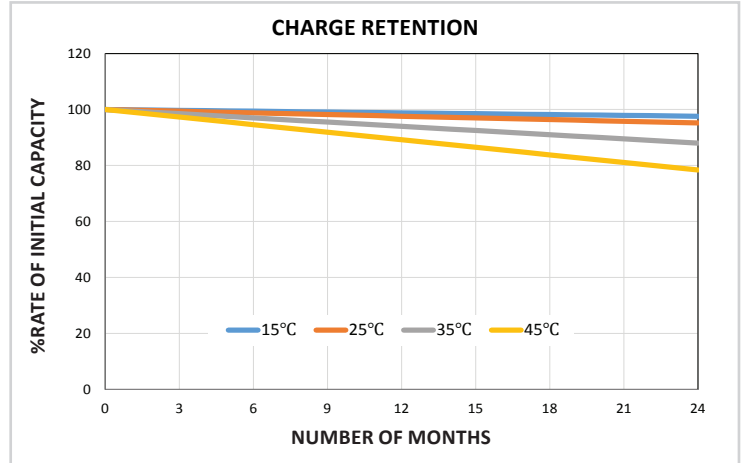
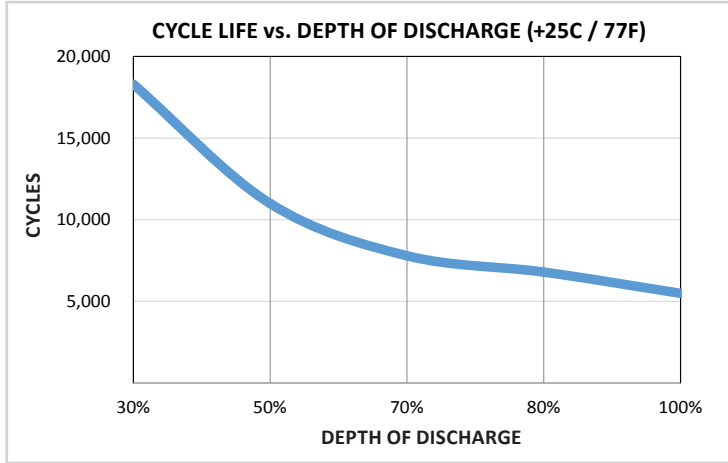
ABOUT GS

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

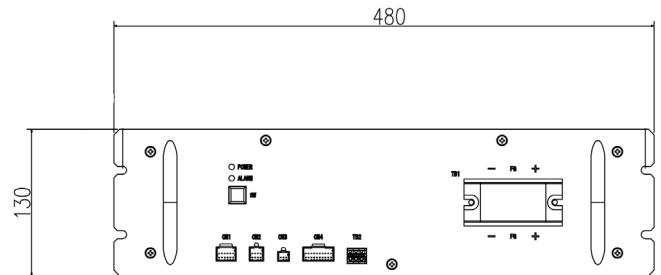
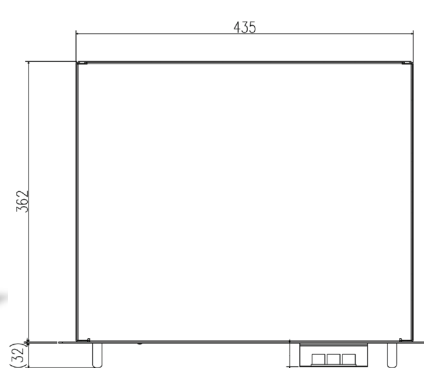


The data is for reference purposes. Actual performance varies by condition.



SPECIFICATIONS

MODEL NUMBER	NOMINAL VOLTAGE	RATED CAPACITY (Nominal)	DIMENSIONS						BATTERY WEIGHT	
			L		W		TH		kg	lbs.
			mm	in.	mm	in.	mm	in.		
LIM40E-13T1-J1	48.8	40.0	435	17.13	364	14.33	130	5.12	27.0	59.52
LIM40E-14T1-J1	52.5		28.0	61.73						



Dealer Information



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