



## INDUSTRIAL LITHIUM-ION BATTERIES

# LIM50E MODULE



LIM50E-7G



LIM50E-8G

## ADVANCED BATTERY SOLUTIONS FOR CRITICAL INDUSTRIAL DEMANDS

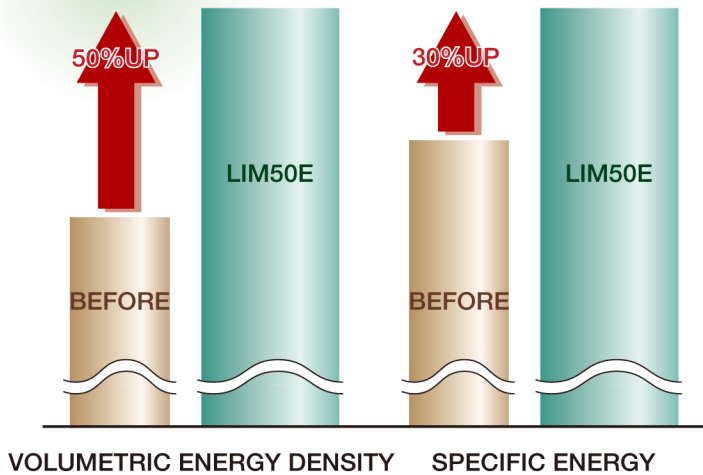
- SMART GRID
- ENERGY STORAGE SYSTEM
- INDUSTRIAL POWER SUPPLY SYSTEM
- UPS
- TELECOMMUNICATIONS
- INDUSTRIAL ELECTRIC VEHICLE

GS Yuasa's heritage in large format Lithium-ion stretches back to the early 90's. The LIM50E modules incorporate GS Yuasa's unique advanced battery technologies, experience, manufacturing expertise and commitment to quality.

## CHARACTERISTICS

### HIGH ENERGY DENSITY

- Compact and light weight.



### HIGH RELIABILITY

- GS Yuasa has manufactured large format Li-ion cells for more than a decade.
- Integrated battery monitoring unit communicates module status to guarantee system safety and dependability.

### ROBUST BATTERY MANAGEMENT SYSTEM

- An optional touch-screen display allows users to monitor battery system details.

Battery voltage	500.0V	Data	<input type="button" value="Cell voltage"/>
Battery current	10.0A		<input type="button" value="Module temperature"/>
State of charge(SOC)	30.0%		<input type="button" value="Status"/>
Battery average temperature	20.0°C	Alarm	<input type="button" value="Current abnormality"/>
Maximum cell voltage	3.787V		<input type="button" value="History"/>
Average cell voltage	3.600V		<input type="button" value="Test mode"/>
Minimum cell voltage	3.543V		<input type="button" value="Setting"/>
Number of module	18		

*Touch screen user interface.*

## SPECIFICATION

	LIM50E-7G	LIM50E-8G
Nominal capacity	47.5 Ah	47.5 Ah
Nominal voltage	25.9V	29.6V
External dimensions	W×L×H = 180×412×135 mm	W×L×H = 215×414×135 mm
Mass	15.0kg	17.5kg
Maximum discharge current	300A	300A
Maximum charge current	125A	125A
Operating temperature	-10~45°C	-10~45°C
Monitoring system	<ul style="list-style-type: none"> <li>● Monitor individual cell voltage</li> <li>● Monitor module temperature</li> <li>● Report overcharge, over discharge, abnormal temperature</li> <li>● Perform cell balancing</li> <li>● CAN 2.0 and RS485 with optional LIBM</li> </ul>	



AWARDED JAPANESE QUALITY  
RECOGNITION BY POWER SYSTEM  
GROUP IN 2008



EMS Accreditation  
RE 009



Kyoto factory:ISO14001 certified  
Dec 24,1997



051



ISO9001 certified  
JQA-1397

### GS Yuasa Lithium Power, Inc.

1150 Northmeadow Parkway, Suite 118  
Roswell, GA 30076  
TEL: +1-678-892-7531  
US Toll Free: +1-888-GS YUASA/+1-888-479-8272  
FAX: +1-678-892-7501  
<http://www.gsyuasa-lp.com>

### GS Yuasa International Ltd.

(Shiba-koen Tower) 2-11-1, Shiba-koen,  
Minato-ku, Tokyo 105-0011, Japan  
TEL: +81-3-5402-5816 FAX:+81-3-5402-5832  
<http://www.gs-yuasa.com/us>