



LITHIUM FERRO PHOSPHATE BATTERY MODULES

SCALABLE ENERGY STORAGE



Longer life with increased charge cycles



One third of the weight of equivalent lead acid batteries



Battery Management System built in for easy recharge and safety



Fully recyclable



Non toxic - no lead, no heavy metals



Zero emissions and rated to 55°C operating temperature



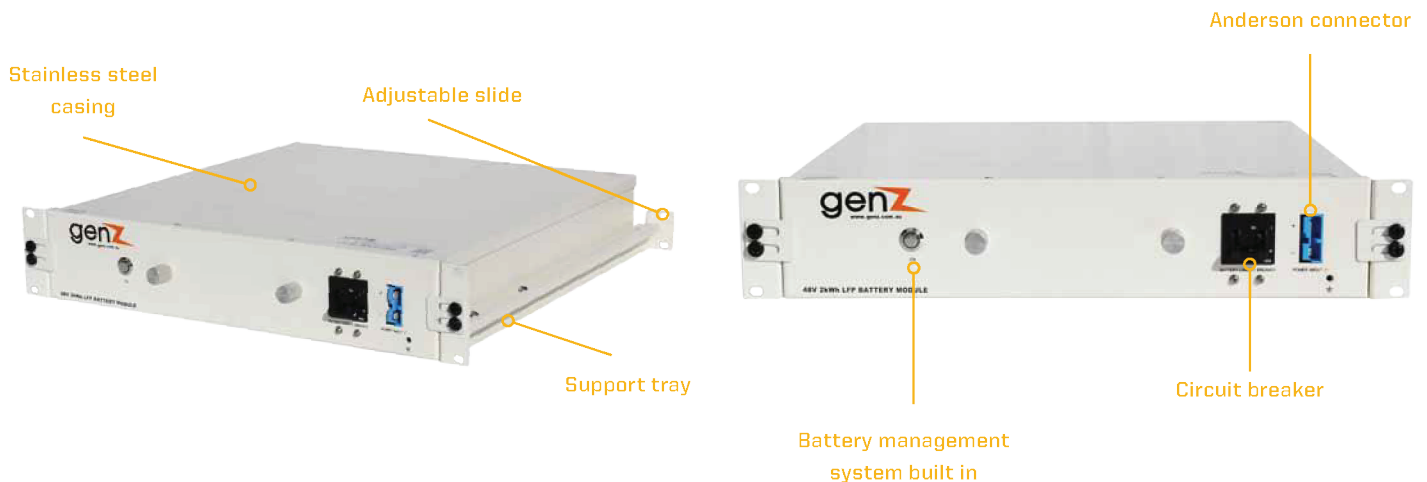
Australian designed and engineered



SCALABLE ENERGY STORAGE SOLUTIONS

Featuring Lithium Ferro Phosphate (LiFePO₄) technology;

- Significantly reduced size and one third of the weight of equivalent lead acid batteries
- Battery Management System built in – safe charging and more cycles for long term performance
- Standard 19" rack unit mounts with adjustable depth
- Flexible mounting options
- Industrial coated stainless steel casing
- Zero emissions and rated to 55°C operating temperature
- Simple Anderson quick release connector system
- 24V or 48V versions



An Australian battery for Australian conditions



Safe A-Grade LFP cylindrical battery cells



10 Year Warranty and superior 20 Year design life



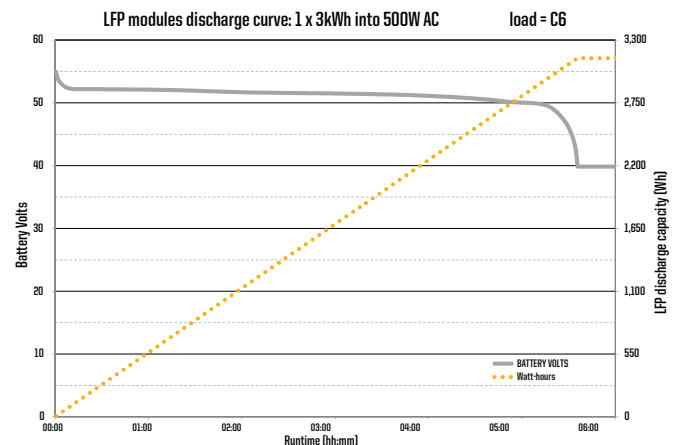
Engineered to upgrade easily in the future



Self-managed batteries for wide-ranging compatibility and improved redundancy

Specifications - 48V - 3kWh - 2RU

Nominal Voltage DC	51.2V (48V)
Nominal Capacity	57.8Ah/3kWh
Maximum Current	60A (Limited by circuit breaker)
Charge/Discharge cycles	5000 @ 75% DoD, 25°C
Operating Temperature	Charge 0° to 55°C Discharge -20° to 60°C
Operating Humidity (non condensing)	85%
IP Rating	IP50
Battery Case Dimensions (mm)	570D x 420W x 88H
Battery Tray Dimensions (mm)	570D x 483W
Tray Slide Range (mm)	590 to 880
Terminal Connection	Anderson quick release
Weight Module	35kg
Weight Tray	4.2kg
BMS Over Volt cut off	58V
BMS Under Volt cut off	40V
BMS Short Circuit cut off	200 ± 30A (20mS Trip)
BMS Over Temp cut off	65°C
Charge time	Approx. 3 hour at 20A
Self Discharge	14% per annum
Circuit Breaker Compliance	2-pole 60A IEC 60947-2
Lithium Composition	Lithium Ferro Phosphate (LiFePO ₄ or LFP)
Casing	Stainless steel
Coating	Satin white industrial coating
Certifications	ROHS, C Tick, CE see genZ.com.au for details



Tests reflect off grid usage. Data is based on Australian QA test programming. Results may vary with inverter efficiency and loom loss. Test load at 240V AC.

Operating conditions for extended warranty

Low cut off voltage	48.8V
Float voltage	56.0V
Operating temperature range	0°C to 40°C
Charge / discharge rate	0.5C using approved LFP charger

Product design and specification subject to change or modification without notice - images for illustration only. E60E.
Warranty - See www.genZ.com.au for details

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