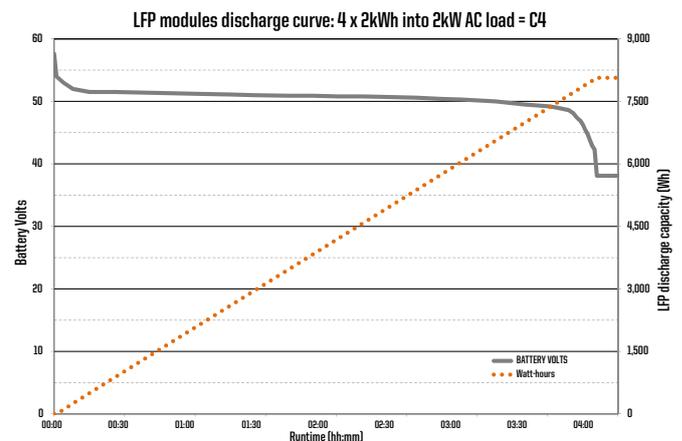


LITHIUM FERRO PHOSPHATE BATTERY MODULES

SCALABLE ENERGY STORAGE

Specifications - 48V - 2kWh - 2RU

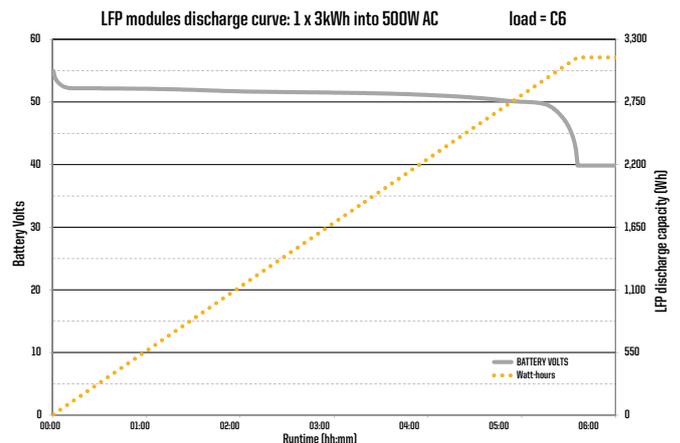
Nominal Voltage DC	51.2V (48V)
Nominal Capacity	38.4Ah/2kWh
Maximum Current	60A (Limited by circuit breaker)
Charge/Discharge cycles	5000 @ 75% DoD, 25°C
Operating Temperature	Charge 0° to 55°C Discharge -20° to 60°C
Operating Humidity (non condensing)	85%
IP Rating	IP50
Battery Case Dimensions (mm)	450D x 420W x 88H
Battery Tray Dimensions (mm)	450D x 483W
Tray Slide Range (mm)	480 to 760
Terminal Connection	Anderson quick release
Weight Module	23.7kg
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. 2 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 PV energy storage usage. Data is based on Australian QA test programming. Results may vary with inverter efficiency and loom loss. Test load at 240V AC

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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