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Smartest Battery Choice.

LITHIUM FERRO PHOSPHATE BATTERY MODULES

SCALABLE ENERGY STORAGE

- Proven track record in Australia across residential, commercial and government applications
- Self Managed LFP Battery - no comms required to integrate with most inverter/charger controllers
- Parallel connection for optimum energy storage and future upgrade
- Safe and mature LFP (Lithium Ferro Phosphate)
- 10 Year Warranty for peace of mind

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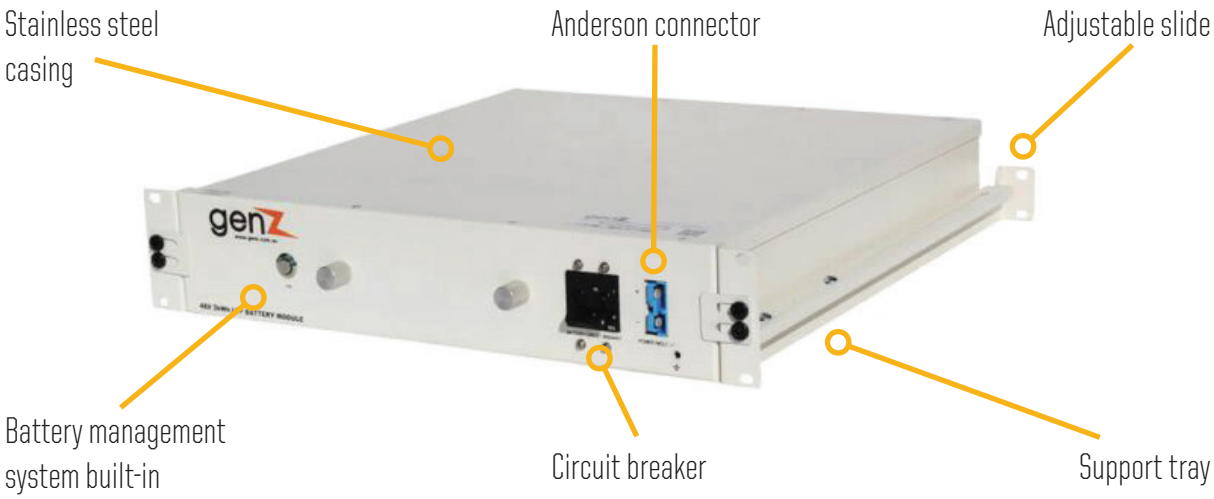
Pre-wired 19" Rack Cabinet by MPower:

- Engineered for safety
- Quality bus work to deliver high current
- Wide range of cabinets available to suit up to 20x battery arrangements
- Available for both indoor and outdoor applications
- Pre-wired for fast, easy and convenient installation



Lithium Ferro Phosphate ($LiFePO_4$) 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
- Industrial coated stainless steel casing
- Standard 19" rack unit mounts with adjustable depth
- Zero emissions and rated to 55°C operating temperature
- Simple Anderson quick release connector system
- 24V or 48V versions

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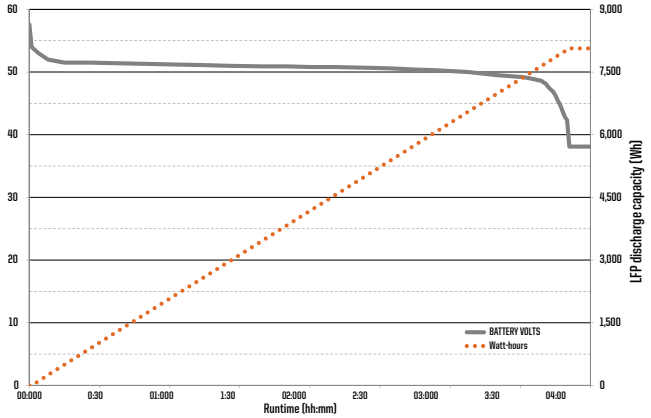
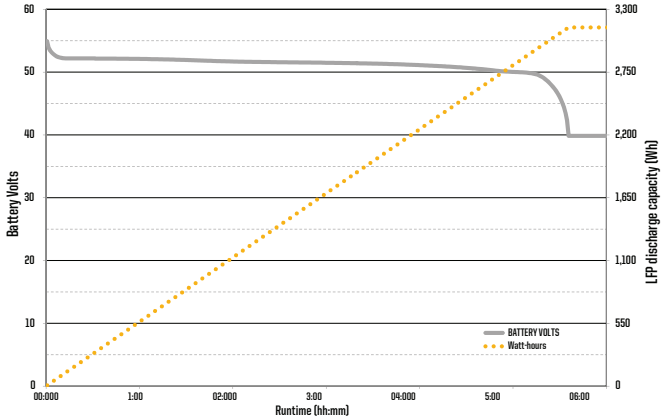
Battery Specifications:

	24V - 3kWh - 2RU	48V - 3kWh - 2RU
Nominal Voltage DC	25.6V (24V)	51.2V (48V)
Nominal Capacity	115.2Ah/3kWh	57.8AH/3KWH
Maximum Current	60A (Limited by circuit breaker)	60A (Limited by circuit breaker)
Charge/Discharge cycles	5000 @ 75% DoD, 25°C	5000 @ 75% DoD, 25°C
Operating Temperature	Charge 0° to 55°C Discharge -20° to 60°C	Charge 0° to 55°C Discharge -20° to 60°C
Operating Humidity (non condensing)	85%	85%
IP Rating	IP50	IP50
Battery Case Dimensions (mm)	570DD x 420W x 88H	570D X 420W X 88H
Battery Tray Dimensions (mm)	570D x 483W	570D X 483W
Tray Slide Range (mm)	590 to 880	590 to 880
Terminal Connection	Anderson quick release	Anderson quick release
Weight Module	35kg	35kg
Weight Tray	4.2kg	4.2kg
BMS Over Volt cut off	29.2V	58V
BMS Under Volt cut off	20V	40V
BMS Short Circuit cut off	200 ± 30A (20mS Trip)	200 ± 30A (20mS Trip)
BMS Over Temp cut off	65°C	65°C
Charge time approx.	3 hour at 40A	3 hour at 20A
Self Discharge	14% per annum	14% per annum
Circuit Breaker Compliance	2-pole 60A IEC 60947-2	2-pole 60A IEC 60947-2
Lithium Composition	Lithium Ferro Phosphate ($LiFePO_4$ or LFP)	Lithium Ferro Phosphate ($LiFePO_4$ or LFP)
Casing	Stainless steel	Stainless steel
Coating	Satin white industrial coating	Satin white industrial coating
Certifications	ROHS, C Tick, CE	ROHS, C Tick, CE

LFP modules discharge curve: 4 x 2kWh into 2kW AC load = C4



LFP modules discharge curve: 1 x 3kWh into 500W AC load = C6



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 .

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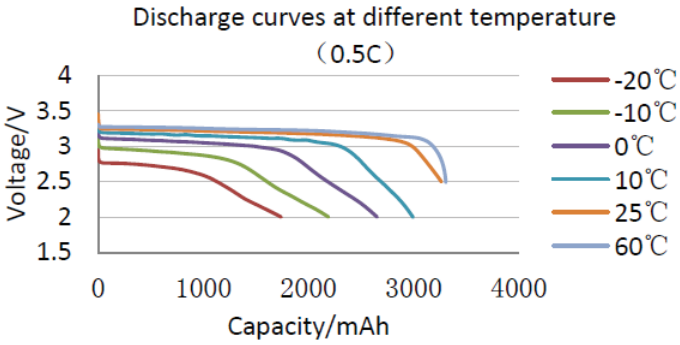

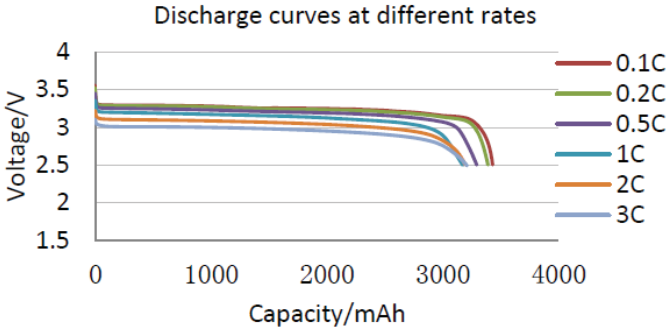

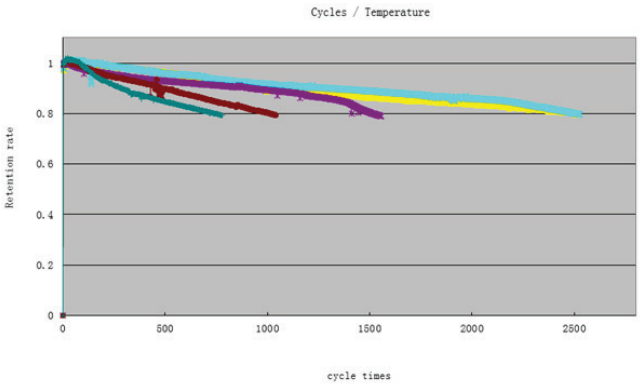

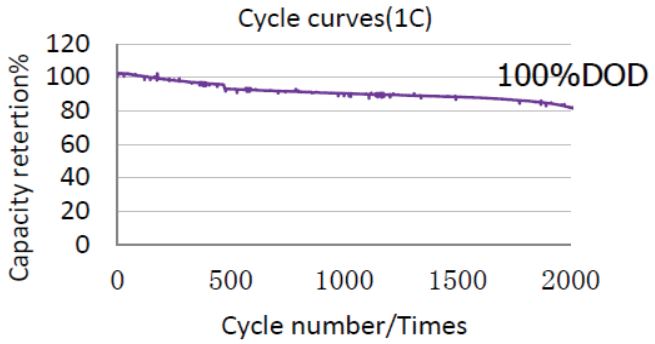

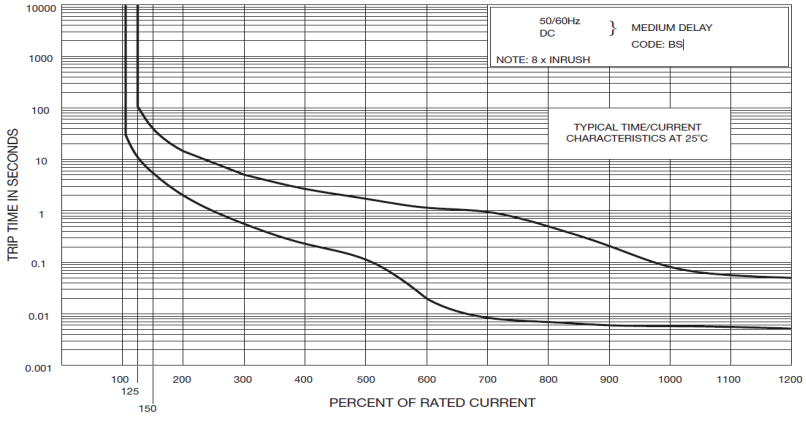

PERCENTAGE OF RATED CURRENT	100%	125%	150%	200%	300%	400%	500%	600%	700%	800%	900%	1000%	1100%	1200%
MINIMUM TRIP TIME IN SECONDS	NO TRIP	12	5.5	2	0.55	0.21	0.12	0.02	0.0085	0.007	0.006	0.006	0.0055	0.005
MAXIMUM TRIP TIME IN SECONDS	NO TRIP	100	40	14	5	2.8	1.8	1.2	0.98	0.5	0.2	0.08	0.058	0.05

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