SIMPLE FLEXIBLE BATTERY STORAGE
LiFe SERIES

LITHIUM FERRO PHOSPHATE BATTERY MODULES
Scalable Energy Storage

Why Lithium?

Installers

- Increased cycle life at the same depth of discharge
- No control cable between battery and Inverter - Inverter manages site as battery is passive.
- 1/3 of the weight and space
- Battery installation in less than 30 minutes.
- Battery efficiency means more energy stored in the batteries on low sun days.
- 600mm x 800mm foot print for up to 72kwh useable storage.
- Can be use with AC coupled hybrid Inverters and DC coupled MPPT's
- Will work in parallel with existing lead acid batteries to either increase capacity or extend service life of older batteries.
- Same battery module can be used for 3kwh to theoretically unlimited storage. One battery to stock for most jobs.

End User

- 10 year warranty
- 20 year design life - subject to design
- Fully recyclable - No heavy metals
- Can add batteries for future expansion
- No single point of failure
- Requires less space for same energy storage
- Each battery is independent. If one is faulty it does not effect the other batteries.
- Reduced generator run time and increased fuel efficiency.
- Safe Lithium Chemistry - high thermal runaway
- Battery efficiency means more energy stored in the batteries on low sun days.

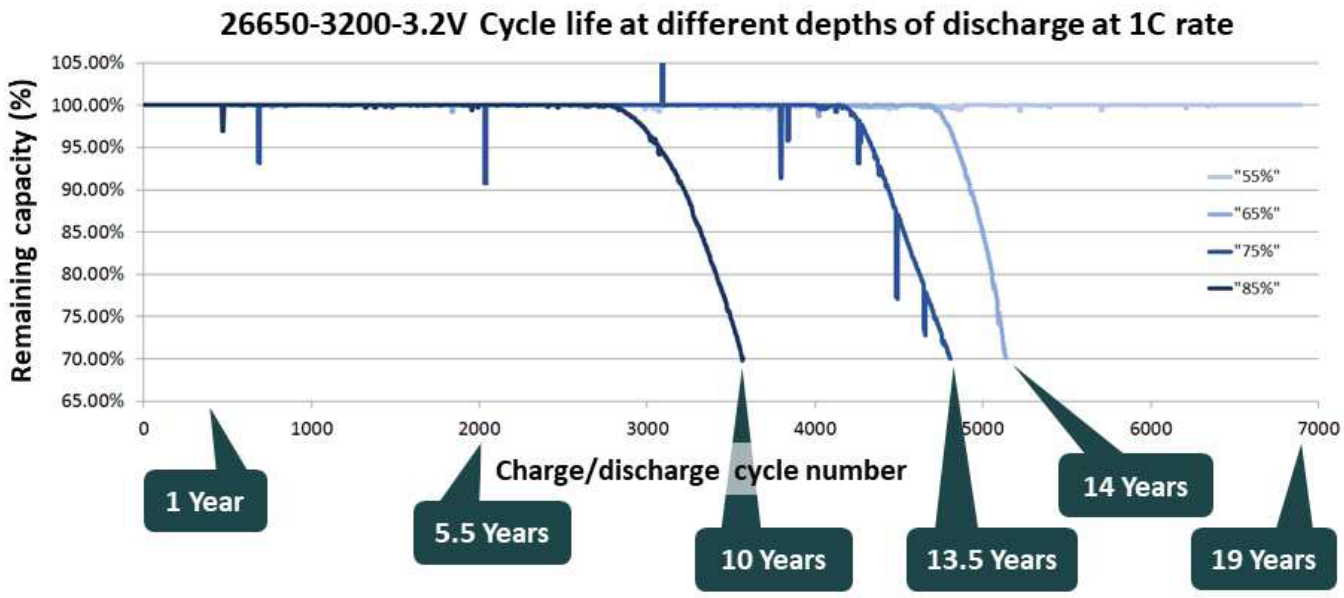
PowerPlus Energy

PV STORAGE OPTIONS COMPARISON 20 YEAR DESIGN LIFE

	Lead Acid 2V 1100ah Gel C120	Lithium Ferro Phosphate Cylindrical	Battery Super Capacitor Hybrid
kWh capacity	52.8	21.0	21.3
Daily kWh	10.5	10.5	10.5
Cycle Life	7,000	10,000+	10,000+
System Weight	1584 kgs	245 kgs	450 kgs
Battery Weight	66kgs	35kgs	75kgs
Volume	0.68m3	0.15m3	0.38m3
Service Life @ 35Deg	10 years	20+ years	20+ years
Full capacity at C1	No	Yes	Yes
Efficiency	60 to 80%	96 to 98%	96 to 98%
Cost	$19,338	$19,230	$28,872
Warranty	3 Years	10 Years	10 Years

LFP DISCHARGE CHARACTERISTICS

In solar applications with a discharge over one or two days the results are significantly improved compared to the laboratory tests when discharged over one hour.



Data sourced from supplier's latest QA/QC reports

Solar & Batteries Online

Solar & Batteries Online
ABN: 33 059 410 908
Jason Eldridge
0466 960 552
jason@solarbatteriesonline.com.au
www.solarbatteriesonline.com.au