

## Battery Storage Solutions

Off Grid



2v Lead Carbon Battery

***“The best off-grid battery  
we’ve ever seen”***

*Nathan Gathercole - CEO, Giant Power*



Proven History  
of performance



Industry Leading  
Warranty



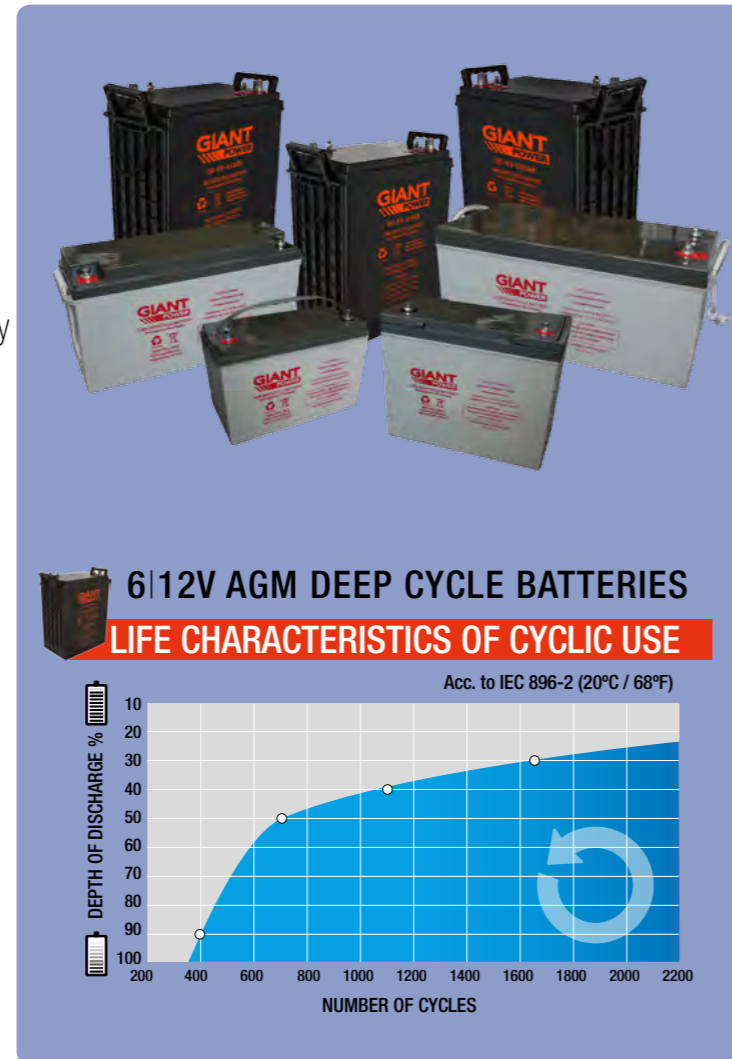
Exceptional  
Lifespan

## AGM Batteries

When you need a long lasting battery that can withstand the harsh Australian weather conditions, Giant Power AGM deep cycle batteries are your best choice.

With their absorbed glass mat technology containing the acid, AGM batteries are 100% sealed, non-gassing, and maintenance free. AGM batteries will never leak acid, even if they are damaged.

Designed for deep cycle applications, frequently charging and discharging does not harm them, making them ideal for off grid battery storage solutions.



**1650 CYCLES @ 30% DOD**  
**EXCEPTIONAL LIFESPAN**

**12 YEAR**  
**DESIGNED SERVICE LIFE**

**5 YEAR BATTERY WARRANTY**  
12 MONTH FULL REPLACEMENT WARRANTY WITH 48 MONTH PRO-RATA REPLACEMENT WARRANTY

### Where to use AGM batteries

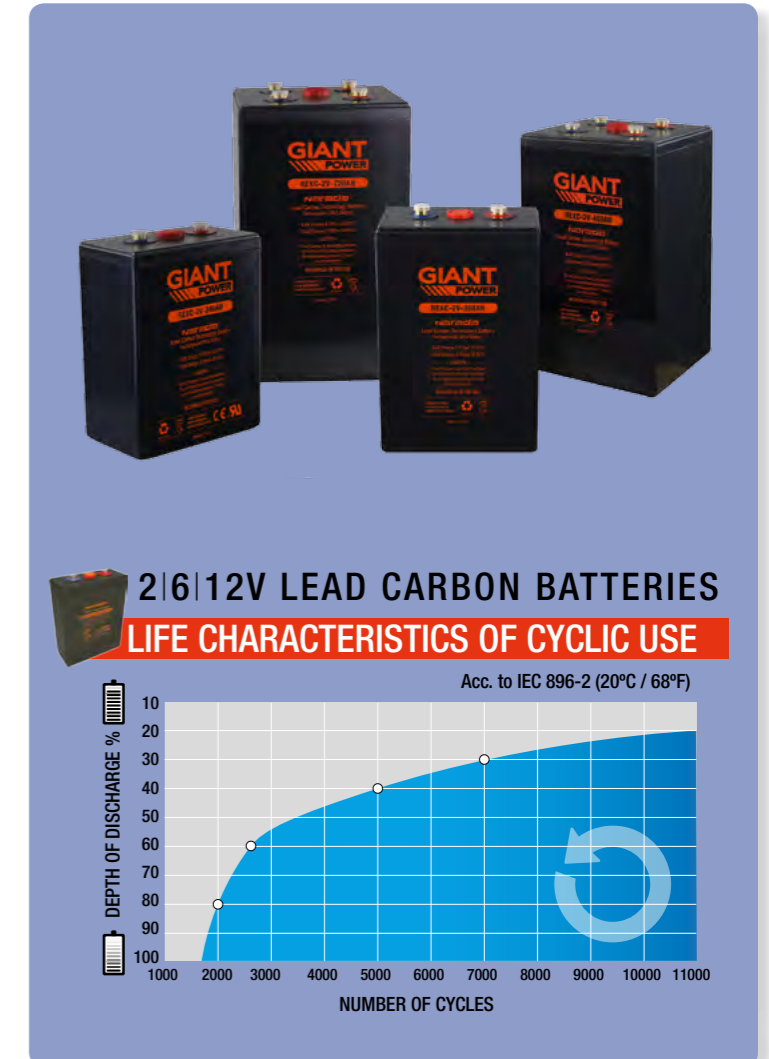
- Small to medium off grid systems
- Applications with medium service lives
- Projects with budget conscious design
- Strict space confines

## Carbon Batteries

With a superior service life of 20 years, carbon batteries are some of the best batteries available for projects that require reliable and long lasting batteries.

A Carbon battery is a new type of battery where supercapacitor technology is used to prolong the life of the battery unit. Just like the AGM deep cycle batteries, Carbon batteries are protected against leakage, even if the battery is broken.

Carbon batteries have lower freezing and higher boiling points than batteries with liquid electrolytes, making them suitable for usage in extreme environmental conditions.



**20 YEAR**  
**DESIGNED SERVICE LIFE**

**7 YEAR BATTERY WARRANTY**  
3 YEAR FULL REPLACEMENT WARRANTY WITH 48 MONTH PRO-RATA REPLACEMENT WARRANTY

**7000 CYCLES @ 30% DOD**  
**EXCEPTIONAL LIFESPAN**

**2X**  
**DOUBLE THE NORMAL CHARGE CURRENT**

**PbSO<sub>4</sub>**  
**DOES NOT SULFATE UNDER PARTIAL STATE OF CHARGE**

### Where to use Carbon batteries

- Applications with long service lives
- Setups requiring high reliability
- Superior safety performance required
- Communication equipment and UPS

## CARBON Specifications

Model	240AH	360AH	480AH	600AH	720AH	960AH	1200AH	1440AH	1800AH	2400AH	360AH	240AH
Nominal Voltage	2V										6V	12V
Nominal Capacity (AH) (120hr rate)	240.0	360.0	480.0	600.0	720.0	960.0	1200.0	1440.0	1800.0	2400.0	360.0	240.0
C20 Rating	220	330	440	550	660	880	1100	1320	1650	2200	275	180
Length (mm) ±2mm	96	133	170	155	180	231		232			224	224
Width (mm) ±2mm	227			231			282	264	322	456	338	438
Height (mm) ±2mm	291			396			502			281		
Height with terminal (mm)	303			408			514			294		
Approx Weight (kg)	17	24	32	39	46	60	75	90	110	155	61	79.5
Container Material	ABS											
Max Discharge Current	3700A	4752A	6107A	7211A	8614A	10873A	12835A	13874A	16882A	20660A	4619A	3274A
Operating Temp. Range	-20° — 40°C											
Recommended Temp. Range	15° — 25°C											
Self Discharge	The residual capacity is above 90% after 90 days storage (25°C)											
Cyclic Life at D.O.D.	7000 Cycles at 30% D.O.D. 5000 cycles at 40% D.O.D. 2000 cycles at 80% D.O.D.											

## AGM Specifications

Model	125AH	140AH	150AH	165AH	230AH	300AH	410AH	450AH	520AH	
Nominal Voltage	12V						6V			
Nominal Capacity (AH) (20hr rate)	125.0 (20hr rate)	140.0 (20hr rate)	150.0 (20hr rate)	165.0 (20hr rate)	230.0 (20hr rate)	300.0 (20hr rate)	410.0 (100hr rate)	450.0 (100hr rate)	520.0 (100hr rate)	
Length (mm) ±2mm	330	410	345	485	522	522	295			
Width (mm) ±2mm	173	177	172	170	240	268	178			
Height (mm) ±2mm	212	225	274	240	218	220	346		404	
Height with terminal (mm)	220	225	280	240	224	226	364		425	
Approx Weight (kg)	30.0	37.6	41.2	43.5	62.5	73.0	44.5	48	57.5	
Container Material	ABS									
Max. Discharge Current	1200A	1300A	1350A	1500A	2000A	2500A	3100A	3000A	4000A	
Operating Temp. Range	-15° — 50°C						-20° — 60°C			
Recommended Temp. Range	0° — 40°C						0° — 50°C			
Self Discharge	Batteries may be stored for up to 6 months at 25°C and then a freshening charge is required. For higher temperatures the time interval will be shorter.									
Cyclic Life at D.O.D.	1650 Cycles at 30% D.O.D. 700 cycles at 50% D.O.D. 300 cycles at 100% D.O.D.									