DUAL BM TECH SPECS

Premium Australian Made ATLAS Lithium Deep Cycle Battery



PARAMETER CHART:

BATTERIES

Volts	12V					
Capacity (25°C)	10 hours rate	55AH				
Internal Resistance	Full charged b	$\leq 30\Omega$				
	40°C	101%				
Capacity Affected by Temperature	25°C	100%				
	0°C	93%				
	-20°C	73%				
Desidual Oscarity	Capacity after	87%				
Residual Capacity (25°C)	Capacity after	74%				
	Capacity after	50%				
Charge (Constant Voltage)	Cycle (25°C)	Cycle (25°C) Initial charging curren than 60A. Voltage 14.				
(conotain conago)	Float (25°C)	~13.8V				
Discharge Current (25°C)	60A (Continuous); 120A (5 Seconds)					
Weight (Approx)	6.8 kg					

AS LITHIUM

RESIDUAL CAPACITY



CONSTANT VOLTAGE CHARGING CHARACTERISTICS



CADACITY EACTORS WITH DIECEDENT TEMDEDATIDE

DISCHARGE CURRENT 25°C



CYCLE SERVICE LIFE IN RELATION TO THE DEPTH OF DISCHARGE



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25 °C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h
10V	60	40	30	24	15	12	6

CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT 25 °C)

F.V/Time	2h	3h	4h	5h	8h	10h	20h		
10V	720	480	360	288	180	144	72		

IMPORTANT INFORMATION

• Minimum charge rate from a 240v AGM/Lead Acid charger is 15amps.

- · Lithium batteries are water-resistant (they are able to resist the penetration of water to some degree but not entirely so you cannot submerge this battery completely in water).
- The use of multiple charging methods provides greater flexibility and ensures that the batteries remain charged and ready for use, regardless of the availability of power sources. Best to have minimum two options of any of these: Solar, DC-DC, 240v.
- This battery is not designed for using in trolling motors neither under bonnet use where heat, fluids and other contaminants are exposed. It also needs a MPPT solar and a DC-DC for alternator charging that is designed to manage solar and alternator power inputs to charge an auxiliary (house) battery system.

GARAGITI FACTORS WITH DIFFERENT TEMPERATORE											
Battery Type		-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
Li Battery	12V	73%	82%	93%	95%	97%	100%	100%	100%	101%	102%

* The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.