

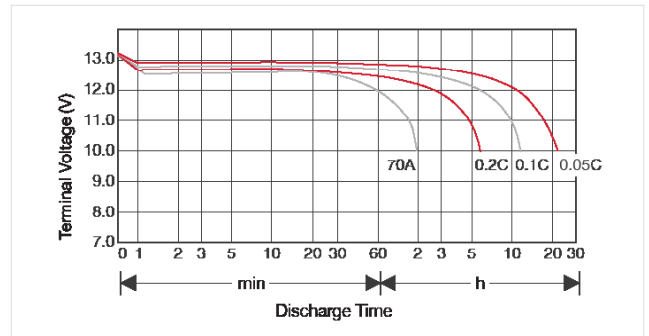
# 140AH 100A BMS PREMIUM TECH SPECS



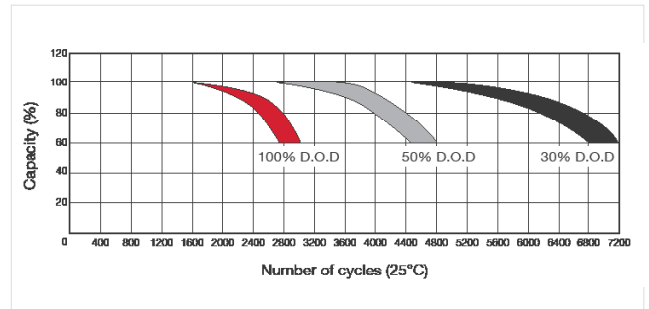
### PARAMETER CHART:

Volts		12V	
Capacity (25°C)	10 hours rate (14A)	<b>140AH</b>	
Internal Resistance	Full charged battery 25°C	≤ 30Ω	
Capacity Affected by Temperature	40°C	101%	
	25°C	100%	
	0°C	93%	
	-20°C	65%	
Residual Capacity (25°C)	Capacity after 3 months storage	87%	
	Capacity after 6 months storage	74%	
	Capacity after 12 months storage	50%	
Charge (Constant Voltage)	Cycle (25°C)	Initial charging current less than 50 amps. Voltage 14.4~14.7V	
	Float (25°C)	Charge voltage 13.6~13.8V	
Discharge Current (25°C)	100A (Continuous); 200A (5 Seconds)		
Weight (Approx)	12.4kg		
Dimension	Length: 330 ±3mm		
	Width: 173 ±2mm		
	Container Height: 220 ±2mm		

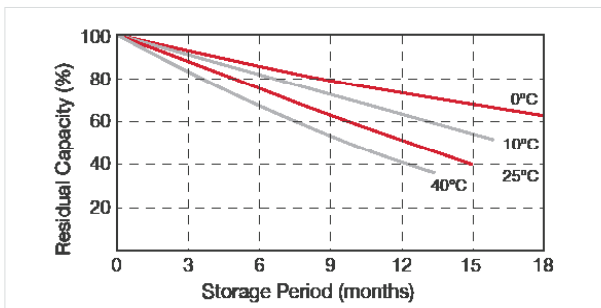
### DISCHARGE CURRENT 25°C



### CYCLE SERVICE LIFE IN RELATION TO THE DEPTH OF DISCHARGE



### RESIDUAL CAPACITY



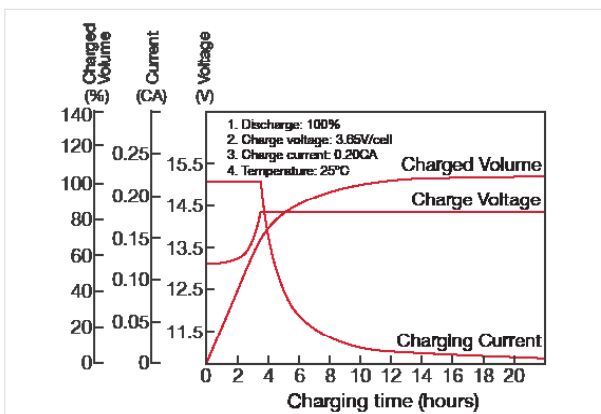
### CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25 °C)

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

### CONSTANT VOLTAGE CHARGING CHARACTERISTICS



**OUR LITHIUM BATTERIES ARE PROUDLY**



www.smartbatterytechnologies.com.au




Built Tough For Australian Conditions

### CAPACITY FACTORS WITH DIFFERENT TEMPERATURE

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.