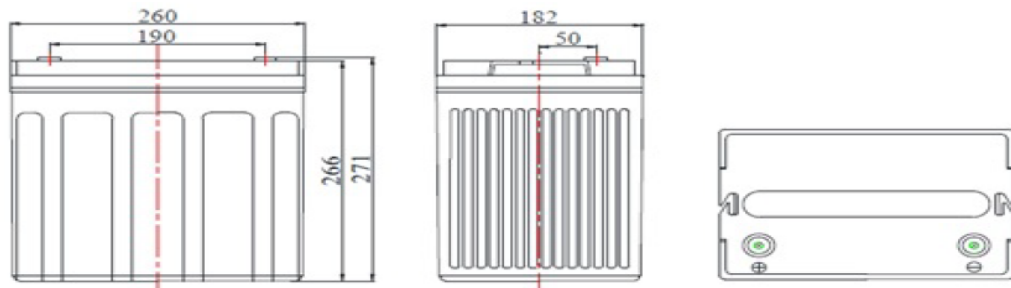


70% or more of the battery capacity. The battery is typically feature thick plates with high density active material. The thick battery plates allow for reserve energy to be stored deep within the battery plates and released during slow discharging such as trolling or solar applications. The high density material remains within the batteries' plate/grid structure longer, resisting the normal degradation found in cycling conditions. The battery is typically used for great extent discharge and recharged. The battery uses a different chemistry for the plates' active paste material and a slightly stronger acid. This chemistry allows for a much longer life in deep cycle applications with only a slightly reduction in maximum power output.



Performance Characteristics		
General Information	Length	260 mm
	Width	182 mm
	Height	266 mm
	Total Height	271 mm
	Approx Weight	34.0 kg ± 3%
	Nominal Voltage	8 Volt
	Number of Cells	4
	Nominal Capacity (20 hour rate)	170 Ah
	Terminal	M8
Casing Material	Standard	ABS
	Optional - UL94 V0, Flame Retardant	ABS
Nominal Capacity 77°F (25°C)	20 hour rate @ 1.75V (8.5A)	170 Ah
	10 hour rate @ 1.80V (15.47A)	154.7 Ah
	5 hour rate @ 1.70V (27.5A)	137.5 Ah
Internal Resistance	Fully Charged Battery 77°F (25°C) ≤ 3.8 mΩ	
Max. Discharge current in 5 sec	1700 A	
Capacity affected by Temperature	104°F (40°C) @ 20 hour rate	102%
	77°F (25°C) @ 20 hour rate	100%
	32°F (0°C) @ 20 hour rate	85%
	5°F (-15°C) @ 20 hour rate	65%
Reserve capacity to 10.5V at 27°C (the number of minutes a battery at 25A or 75A)	@ 25Amps	310 mins
	@ 75Amps	108 mins
Constant voltage charging @ 77°F (25°C)	Initial charging current	≤ 30.6 A
	Boost charging voltage	9.67V to 9.93V
	Float charging voltage	9.07V to 9.20V

Constant Current Discharge Data (Amperes at 25°C)											
End Point Volts/Cell	10min	15min	30min	45min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	257	219	140	103.0	94.5	60.0	42.2	28.6	18.9	16.8	9.01
1.65V	253	215	137	101.0	92.7	58.8	41.3	28.1	18.5	16.5	8.84
1.70V	247	211	134	98.9	91.0	57.8	40.6	27.5	18.2	16.1	8.67
1.75V	243	207	132	97.1	89.3	56.6	39.8	27.0	17.9	15.9	8.50
1.80V	233	199	127	93.3	85.9	54.4	38.3	26.0	17.2	15.5	8.42

Constant Power Discharge Data (Watts per cell at 25°C)											
End Point Volts/Cell	10min	15min	30min	45min	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	494	421	269	198	181	115	80.9	55.1	36.2	32.5	17.6
1.65V	486	413	264	194	178	113	79.6	54.1	35.7	31.8	17.2
1.70V	476	406	259	190	175	111	78.0	53.0	35.0	31.3	17.1
1.75V	467	398	254	187	171	109	76.5	52.0	34.3	30.6	16.8
1.80V	449	383	244	179	165	105	73.6	50.2	33.0	29.4	16.3

Above data provided from tested samples is generally for descriptive only. It is not intent to make or imply any representation; guarantee or warranty with respect to any battery cell. Battery cell designs/specifications are subject to modify without prior notice.