

CALCIUM INSIDE
MADE IN INDIA

FOR SOLAR USE



TALL
TUBULAR
THE ULTIMATE
DEEP CYCLE BATTERY



150Ah - 200Ah - 230Ah



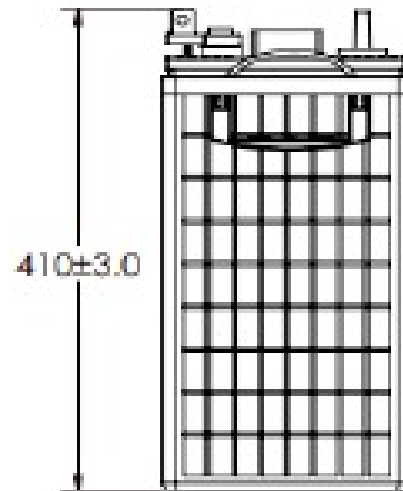
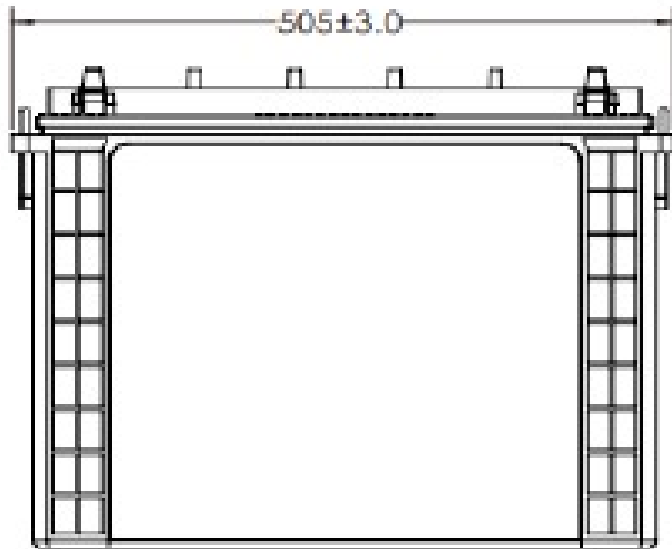
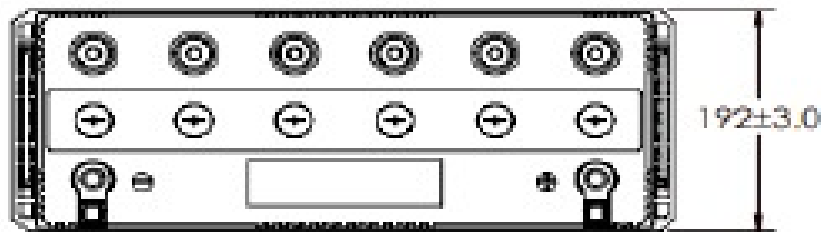
LOW MAINTENANCE



HIGH POWER



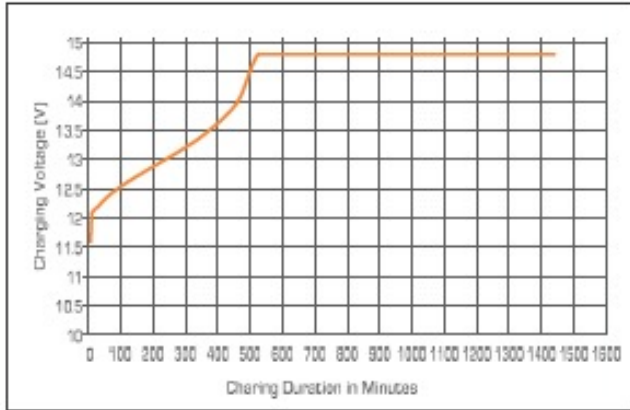
SELENIUM INSIDE



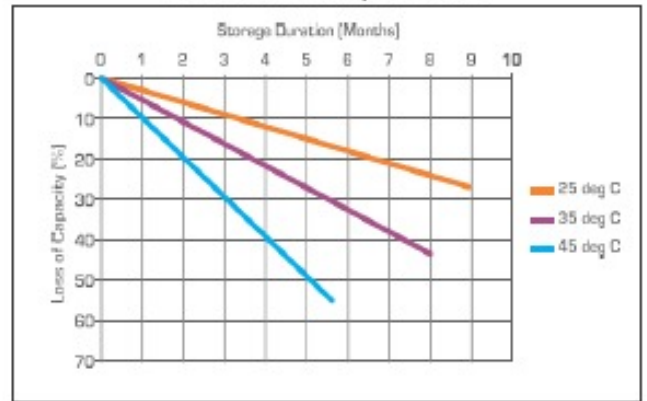
Battery Type	Nominal Voltage (V)	Rated Capacity (Ah) @ 27C	Dimensions (in mm.)			Battery Gross Weight [kg] [+/- 3%]	Terminal Type
		C10 @ 10.5V	Overall Length (+/- 3mm)	Width (+/- 3mm)	Height up to terminal (+/- 3mm)		
12V 150 Ah	12	145	505	192	410	58.5	L
12V 200Ah	12	199	505	192	410	66.0	L
12V 230Ah	12	233	505	192	410	71.2	L

Battery Type	C10 @ 10.5 V	C5 @ 10.5V	C3 @ 10.5V	C1 @ 10.5 V	400Watt (33A) @ 10.5V Backup Time (In minimum 3Cycles)
12V 150 Ah	145	120	104	72	3Hrs 30Min
12V 200Ah	199	166	143	101	4Hrs 40Min
12V 230Ah	233	195	169	120	5Hrs 20Min

Charging Profile



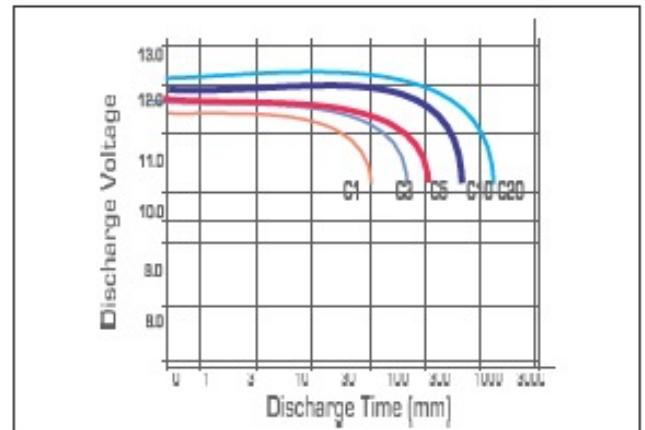
Self Discharge Characteristics @ Different Temperature



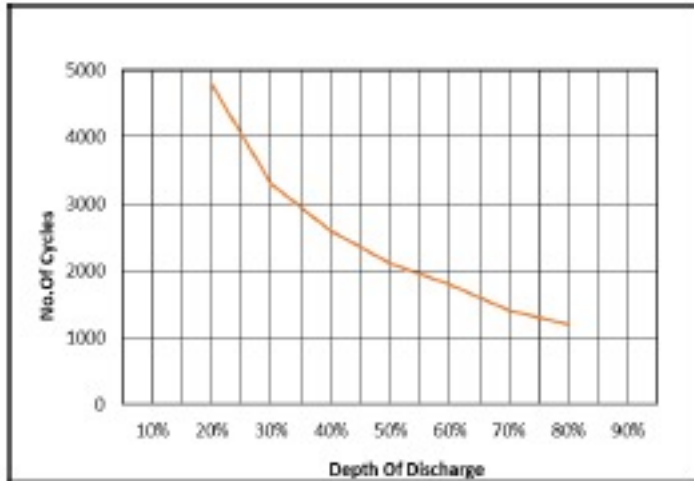
State of Charge Measure of Open-circuit Voltage @ 27°C

State of Charge	Specific Gravity	Voltage
100%	1.260	12.7V
75%	1.225	12.4V
50%	1.190	12.1V
25%	1.155	12.0V
0%	1.120	11.8V

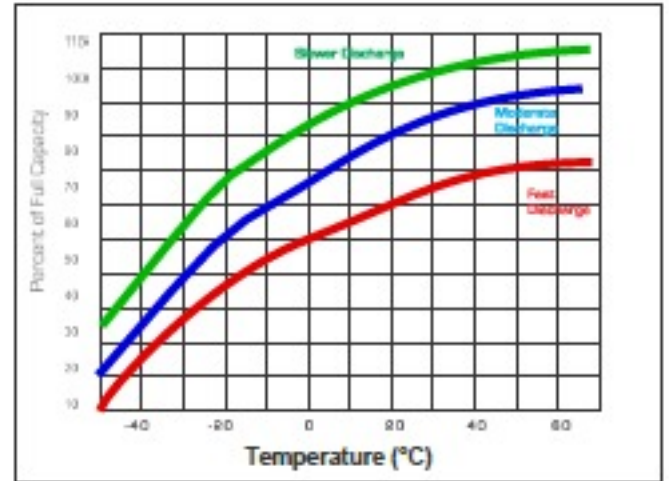
Discharging Characteristics at various rates @ 27°C



DOD V/S LIFE CYCLE



Expected Capacity Vs Temperature



Charging Instructions

Charger Voltage Settings (at 77° F / 25°C)			
System Voltage	12V	24V	48V
Maximum Charge Current	10% of rated capacity		
Float Voltage	13.6	27.2	54.4
Cyclic Use	14.4	28.8	57.6
Equalization Voltage	15.2	30.4	60.8
Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.			
Periodic Charge	Provide a periodic freshening charge to maintain a SOC greater than the threshold of 70%		