



Features:

- PPCP Container.
- Tubular Positive Plates
- Pasted Negative Plates
- High Tensile Acid Resistance Gauntlets
- High Porosity Envelope Separators
- Micro Porous Ceramic Vent Plug
- Heavy Duty Terminal.
- Low Resistance Fasteners

Applications:

- Off Grid Solar Systems

Tubular deep cycle lead acid batteries are recommended for energy storage in off grid solar photovoltaic applications. The tubular batteries have higher life expectancy, longer cycle life, minimal water loss, and charge faster than conventional flat plate lead acid batteries. Solar batteries are offered by Nordic in 12V and capacities of 100AH, 150AH, and 200AH. The batteries have been tested at CPRI and certified to meet IS13369:-1992 standards. Specifications for the solar batteries are given below:

MECHANICAL SPECIFICATIONS:

Type of Battery	Nominal Voltage (V)	Capacity @C10 to 1.80 v.p.c at 27°C(Ah)	Cell weight		Over all Dimension			Container Type
			Without Acid (Kg)	With Acid (Kg)	Length (mm)	Width (mm)	Height (mm)	
NBT12-100	12	100	30	45	505	190	428	PPCP
NBT12-150	12	150	33	50	505	190	428	PPCP
NBT12-200	12	200	57	80	505	190	428	PPCP

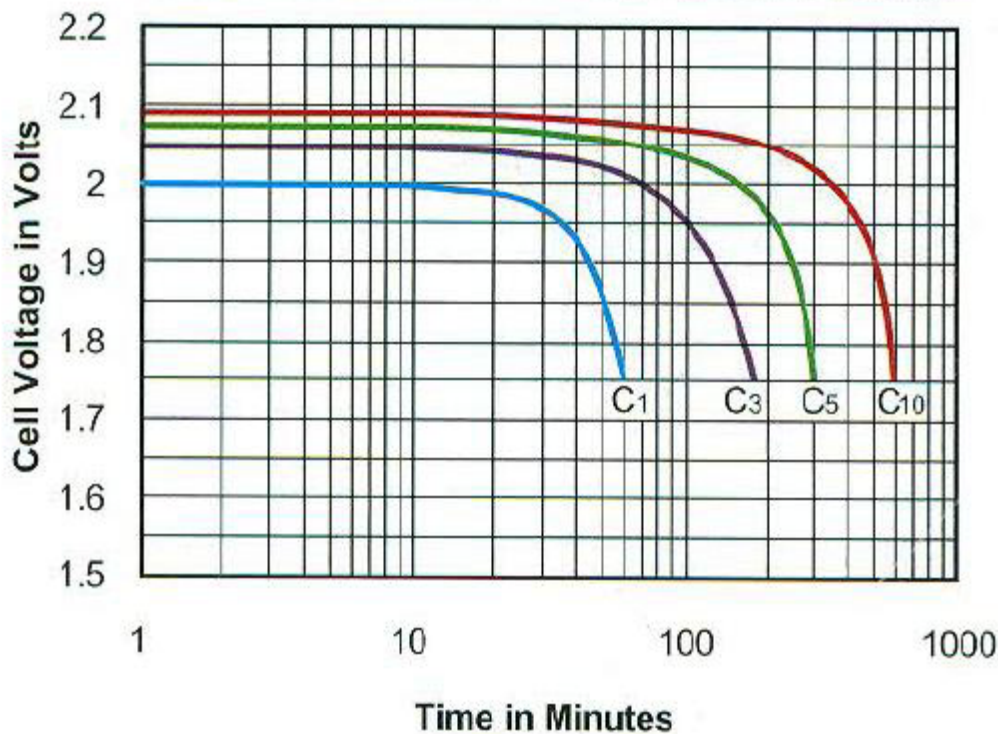
CHARGING CHARACTERISTICS:

Model of Operation	Voltage setting per mono-block unit for ambient temperature 20 ~ 30°C		Current settings
	12V Mono Block	6 V Mono Block	
FLOAT	13.7V +/- 0.1V	6.85V +/- 0.1V	Max - 15% of battery Ah Capacity Max - 20% of battery Ah Capacity Min - 10% of battery Ah Capacity
BOOST	14.5V +/- 0.1V	7.25V +/- 0.1V	

Temperature Compensation: (reference 25°C)
 Float: -18mV/°C/12Vunit
 Cyclic: -30mV/°C/12Vunit



Performance Curves at Different Rates of Discharge



Cycle Service Life

