



**UTL**  
upsINVERTER.com



# SEALED MAINTENANCE FREE VRLA BATTERY

SMF Batteries are safe and maintenance free.  
Most popular for uses with Inverter,  
UPS systems and they can be installed  
next to electronic equipments

Available in  
7Ah - 200Ah

## DEEP CYCLE RECHARGEABLE BATTERY



Made in India

## Features

- Completely leak-proof and maintenance-free
- No water topping required
- Avoid any hassles of checking specific gravity, adding water or acid etc.
- Excellent cyclic performance and recovery after over-discharging
- High purity material ensuring low self-discharge
- Valve regulated (sealed) construction for sales operation in any position
- Tank formed plates optimize cell voltage balance and performance
- Compact design with high power to power ratio
- High impact ABS casing
- Superior Lead Calcium alloy grid with high density active materials
- Design life of 5 to 10 year at 27°C, depending on the model
- Can be installed next to electronic equipments
- Solar Compatible
- Fast Charging Capability

## Application



UPS Backup



Emergency Lighting



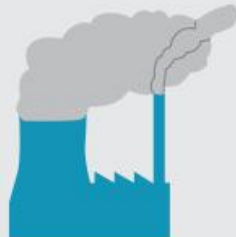
Tele & Network communication Power Supply



Solar Power System



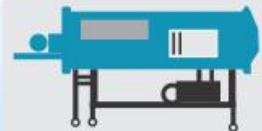
DC Power Supply



Power Station Systems



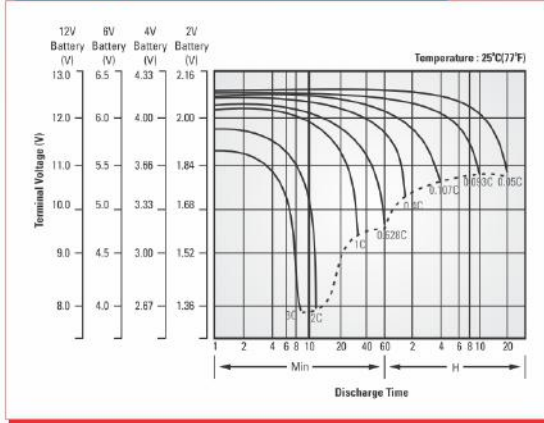
Railway signaling systems



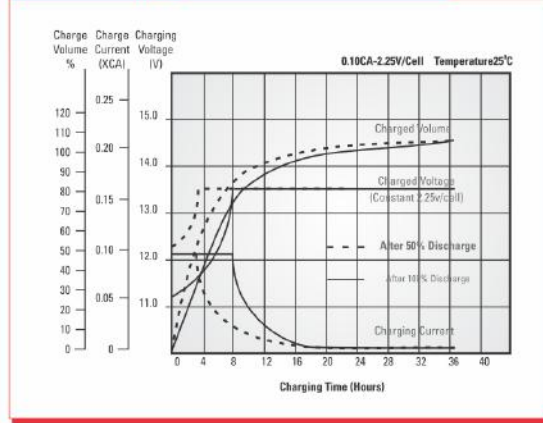
Medical Equipment

# Electrical Performance

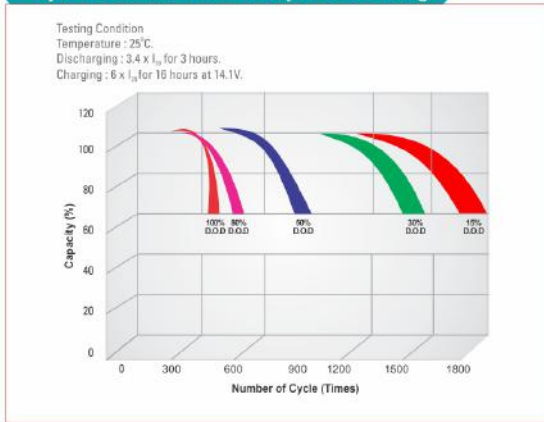
## Discharge Characteristics



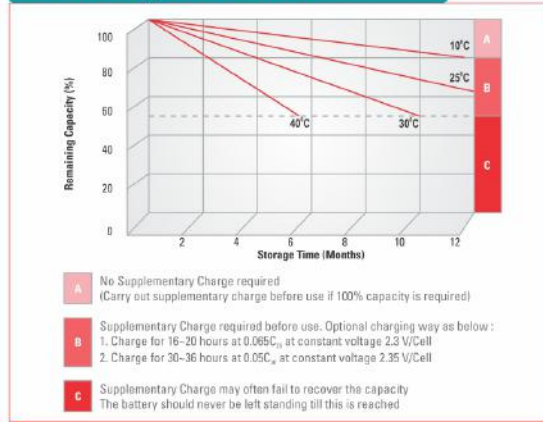
## Float Charging Characteristics



## Cycle Life in Relation to Depth of Discharge



## Self Discharge Characteristics



# Battery Terminal Options

**Terminal Type : F2**

Faston Type (Brass) Quick Disconnect Tabs; Silver Coating For Better Conductivity.

**Terminal Type : T4**

Brass Coated With Tin. Threaded Insert Torque : 3.0 N\*m

**Terminal Type : T5**

Brass Coated With Tin. Threaded Insert 5mm Stud. Torque : 3.0 N\*m

**Terminal Type : T6**

Brass Coated With Tin. Threaded Insert 6mm Stud. Torque : 5.2 N\*m

**Terminal Type : T8**

Brass Coated With Tin. Threaded Insert 8mm Stud. Torque : 12.5 N\*m



# TECHNICAL SPECIFICATION

Model	Capacity (Ah)					HBD 0.5 Hr	Dimensions (mm) +/- 3mm				Normal Charging Current	Short Circuit Current	Internal Resistance (mΩ)	Battery Weight (Kg) +/- 3%	Terminal Type
	20 hr 10.5V	10hr 10.5V	5hr 10.5V	3hr 10.5V	1hr 10.2V		Amperes 9.6V	Length	Width	Heigh					
SSP12-7	7	6.5	6.0	5.7	4.2	7	151	65	94.5	101	0.7A	105	30	2.15	F2
SSP12-7.5	7.5	6.9	6.38	6	4.5	7.5	151	65	94.5	101	.075A	112	30	2.35	F2
SSP12-9	9	8.4	7.7	7.3	5.4	9	151	65	94.5	101	0.9A	135	19	2.6	F2
SSP12-10	10	9.3	8.5	8.1	6.0	10	151	99	97	103	1.2A	150	15	3.4	F2
SSP12-12	12	11.2	10.2	9.7	7.2	12	151	99	97	103	1.2A	180	15	3.6	F2
SSP12-18	18	16.7	15.3	14.6	10.8	18	180	78	175	175	1.8A	270	14	6.0	T4
SSP12-26	26	24.2	22.1	21.1	15.6	26	165	175	125	125	2.6A	390	14	8.5	T5
SSP12-42	42	39.1	35.7	34.0	25.2	42	197	165	167	181	4.2A	630	13	13.4	T6
SSP12-45	45	41.9	38.3	36.5	27.0	45	197	165	167	181	4.5A	540	13	14.5	T6
SSP12-65	65	60.5	55.3	52.7	39.0	65	348	167	190	190	6.5A	975	11	21.9	T6
SSP12-75	75	69.8	63.8	60.8	45.0	75	348	167	190	190	7.5A	1050	11	23.5	T6
SSP12-90	90	83.7	76.5	72.9	54.0	90	330	173	212	225	9.0A	1350	9	28.9	T6
SSP12-100	100	93.0	85.0	81.0	60.0	100	330	173	212	225	10.0A	1500	5.3	30.0	T6
SSP12-120	120	111.6	102.0	97.2	72.0	120	410	177	225	230	12.0A	1800	4	37.2	T8
SSP12-130	130	120.9	110.5	105.3	78.0	130	485	170	240	240	13.0A	2025	4	40.4	T8
SSP12-150	150	139.5	127.5	121.5	90.0	150	485	170	240	240	15.0A	2250	3.5	43.7	T8
SSP12-165	165	153.5	140.3	133.7	99.0	165	522	234	223	223	16.5A	2475	3.6	48.5	T8
SSP12-200	200	186.0	170.0	162.0	120.0	200	522	234	223	223	20.0A	3000	3.6	60.0	T8

\*Specifications are under continuous improvement. Subject to change without notice.

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