



## APPLICATIONS

- ✓ UPS Systems
- ✓ Central Battery Systems
- ✓ Security Systems
- ✓ Hospital & Laboratories
- ✓ Banks, Finance & Data Centers

## COMPLIANCE

- ✓ IEC 60896 – 21
- ✓ IEC 60896 – 22
- ✓ IEC 61427 – 1:2013

## QUALITY STANDARDS

Manufactured in best-in-class facility certified to

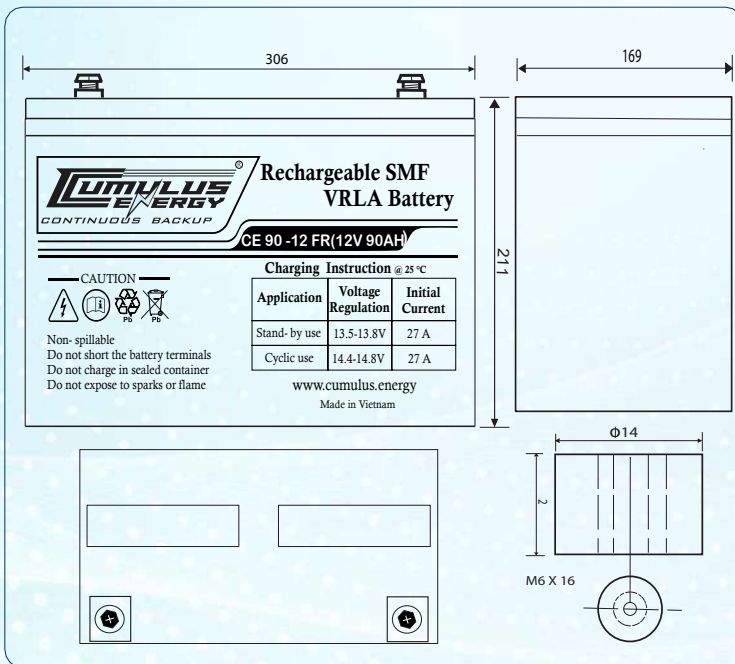
- ✓ ISO 9001: 2015
- ✓ ISO 14001: 2015
- ✓ OHSAS 45001: 2018

## TECHNICAL FEATURES

- ✓ Non-Spillable Sealed Construction
- ✓ Sealed Lead Acid Battery
- ✓ AGM, ABS, Gas Recombination
- ✓ Venting System for low internal pressure
- ✓ Low Self-Discharge & High-Power Output
- ✓ Heavy-Duty, Highly Optimized Grids
- ✓ Maintenance-Free Operation

## CHARACTERISTICS

Nominal Voltage	12 V	
Capacity 25°C (77°F)	10 Hour rate	90Ah
	15 Min.rate	330 Watts/Cell
Terminal Type		T14
Internal Resistance (25°C, 100%Charge)		Approx.5m Ω
Self-Discharge (25°C)	3 Months	Remaining Capacity 91%
	6 Months	Remaining Capacity 82%
Operating Temperature	Discharge	-15°C to 50°C
	Charge	-10°C to 50°C
	Storage	-20°C to 50°C
Nominal Operating Temperature		≤ 25°C (77°F)
Maximum Discharge current		800A (5sec)
Maximum Charging current		27 A
Charge Methods		13.50 to 13.80 V
Constant Voltage Charge 77°F (25°C) - Standby Use		Temp. Compensation -18mV/°C
Charge methods		14.40 to 14.80V
Constant Voltage Charge 77°F (25°C) - Cycle use		Temp. Compensation -30mV/°C
Design Life		10 Years



## DIMENSION

Length	Width	Height	Total Height	Weight (kg)
330 mm	171 mm	214 mm	220 mm	30.50 kg

## CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

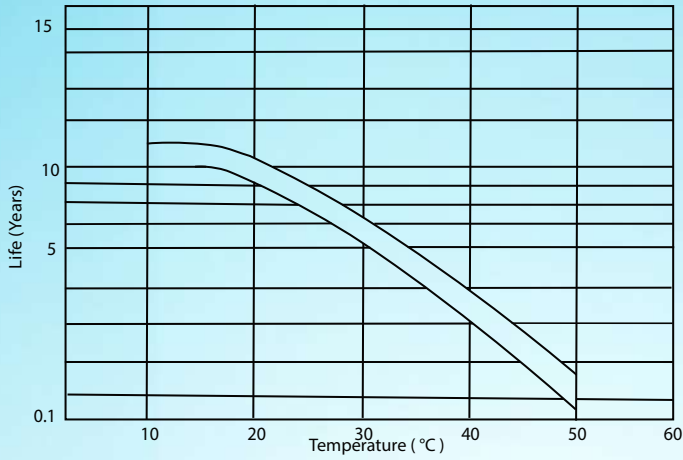
End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	5h	6h	
1.60	215	111	111	66	31	21	17.4	17.4	
1.65	206	111	91.6	111	31.4	21	17.4	17.4	
1.70	200	166	91	51	31	21	17.4	17.4	
1.75	192	160	96	57	31	21	17.4	17.4	
1.80	181	151	89	55	31	21	17.4	17.4	

## CONSTANT POWER DISCHARGE (Watts) AT 25°C

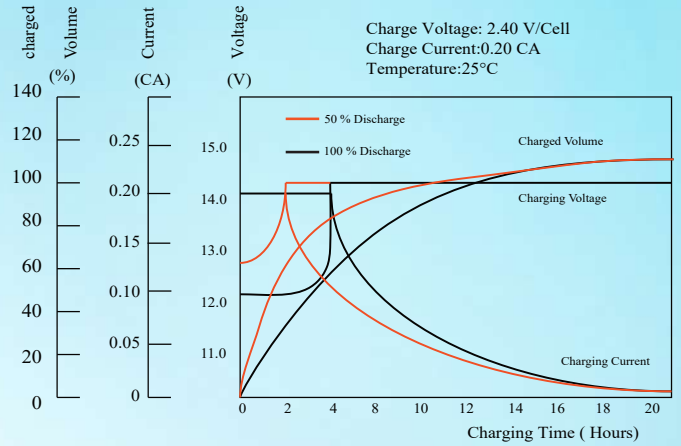
End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	5h	10h	20h
1.60	392.3	309.0	188.0	117.5	70.5	51.50	35.33	20.33	10.78
1.65	380.7	300.0	184.2	115.6	70.1	51.33	35.17	20.17	10.77
1.70	365.0	289.0	178.5	112.6	69.5	51.00	34.83	20.17	10.73
1.75	349.2	279.2	174.2	109.1	68.5	50.50	34.67	20.00	10.67
1.80	329.7	264.3	167.8	105.6	66.6	49.00	33.67	19.83	10.60



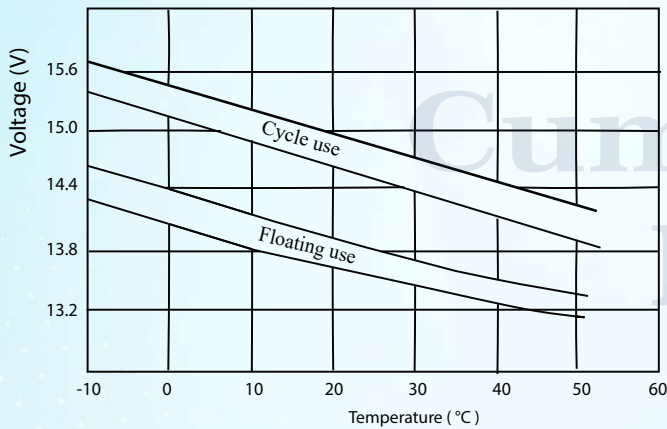
Float life vs Temperature



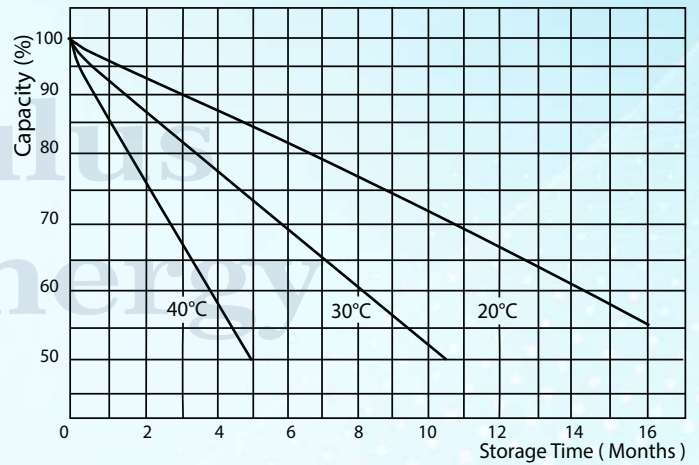
Charging Characteristics ( 25°C)



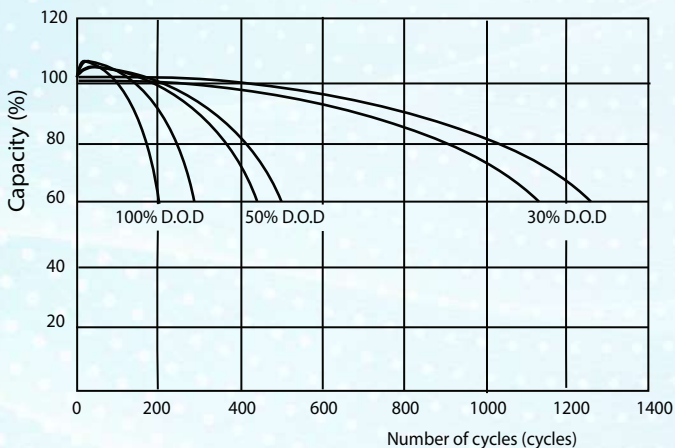
Recommended charging voltage vs temperature



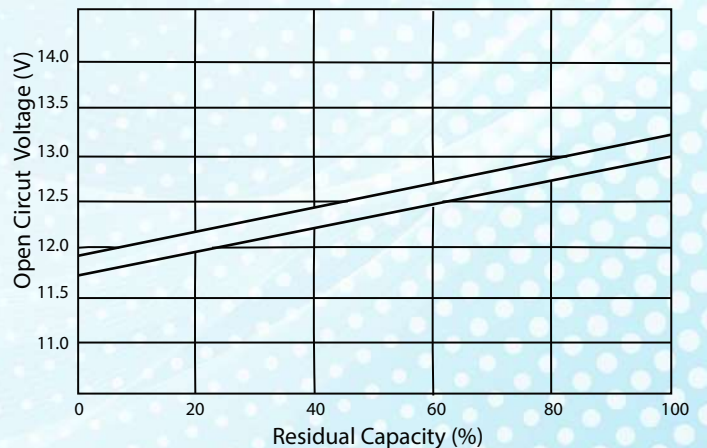
Self-discharge Characteristics



Cycle life vs D.O.D (25°C)



Open Circuit Voltage (V) vs Capacity (25°C)



\*\*Standards, Specifications and design are subject to change without notice.