



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

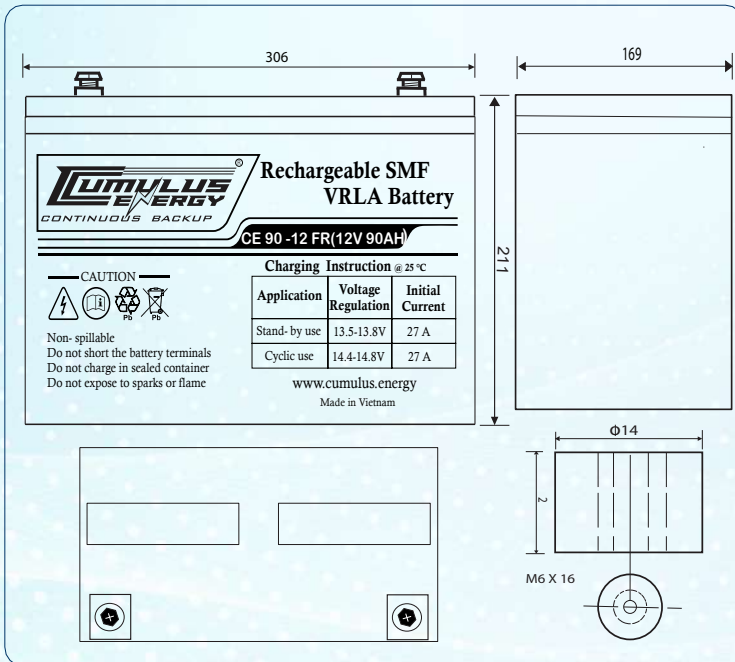
- ✓ ISO 9001: 2015
- ✓ ISO 14001: 2015
- ✓ OHSAS 45001: 2018

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 Constant Voltage Charge 77°F (25°C) - Standby Use		13.50 to 13.80 V Temp. Compensation -18mV/°C
Charge methods Constant Voltage Charge 77°F (25°C) - Cycle use		14.40 to 14.80V Temp. Compensation -30mV/°C
Design Life		10 Years



DIMENSION

Length	Width	Height	Total Height	Weight (kg)
306 mm	169 mm	211 mm	215 mm	28.50 kg

CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

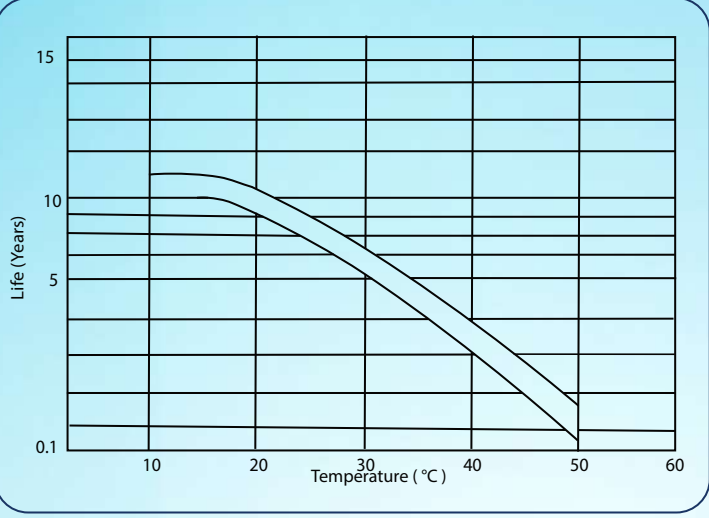
End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	4h	5h	6h
1.60	215	176	99.8	60.7	34.7	24.9	20.1	17.4	14.9
1.65	206	171	96.6	59.2	34.4	24.7	19.9	17.3	14.8
1.70	200	166	94.8	58.2	34.2	24.6	19.8	17.2	14.7
1.75	192	160	92.5	57.1	33.7	24.4	19.7	17.1	14.6
1.80	181	151	89.1	55.3	33.8	23.7	19.1	16.6	14.2

CONSTANT POWER DISCHARGE (Watts) AT 25°C

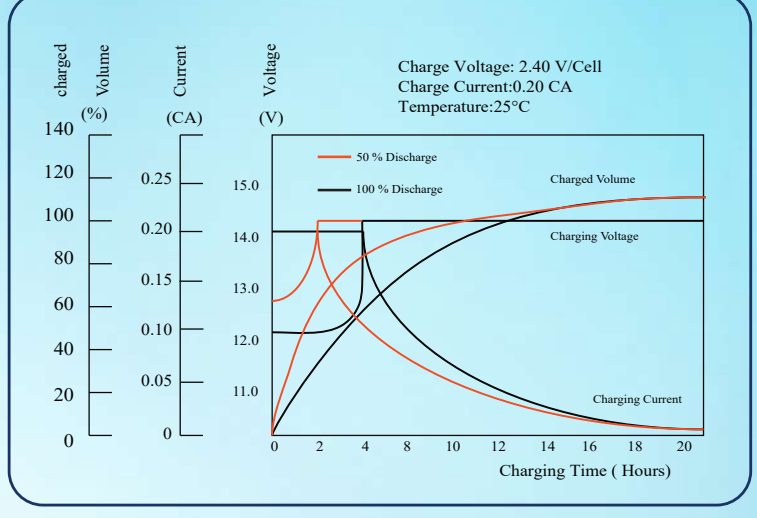
End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	4h	5h	6h
1.60	405	340	193	117	67.7	49.1	39.5	34.5	29.5
1.65	386	330	186	114	67.1	48.6	39.2	34.2	29.3
1.70	376	320	183	112	66.7	48.4	39.0	34.1	29.2
1.75	360	309	179	110	65.7	48.1	38.7	33.9	29.0
1.80	340	292	172	107	64.0	46.7	37.6	32.8	28.1



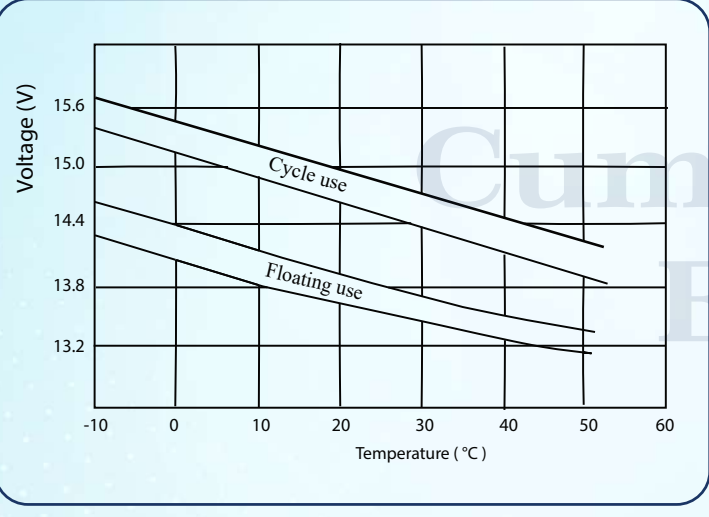
Float life vs Temperature



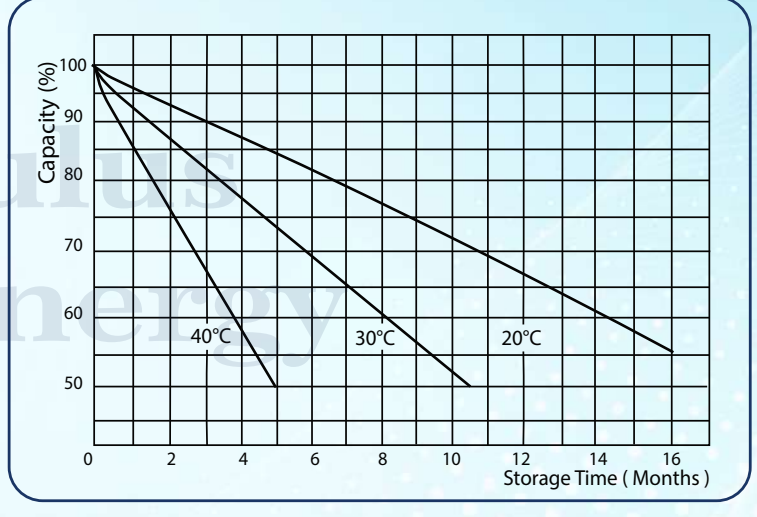
Charging Characteristics (25°C)



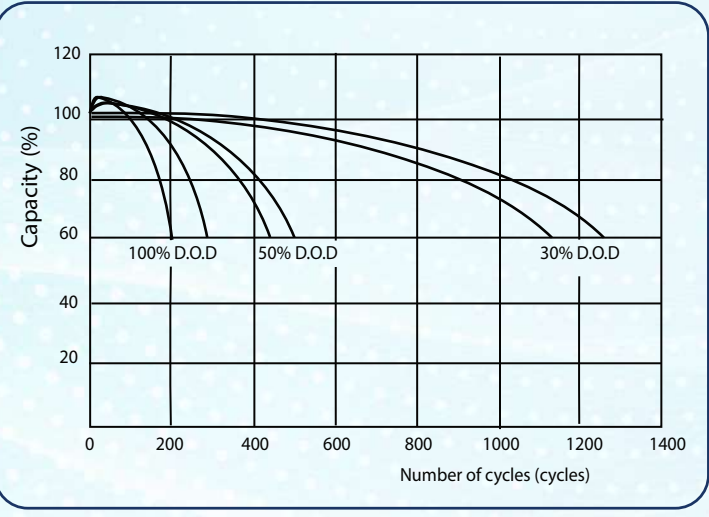
Recommended charging voltage vs temperature



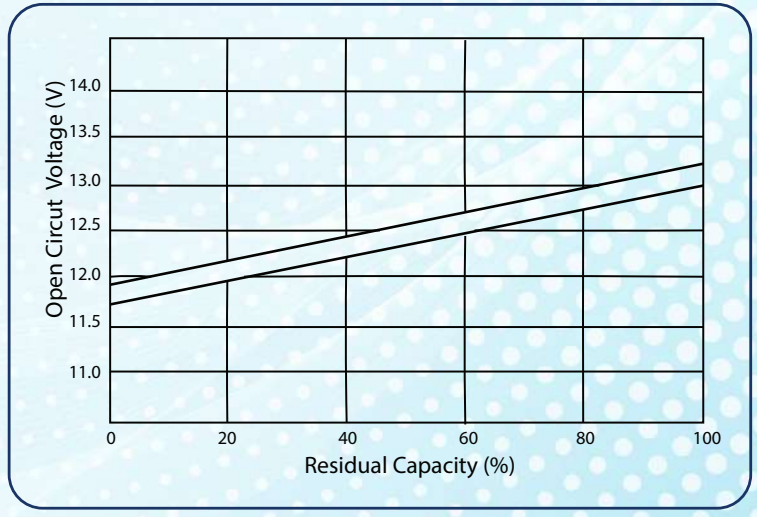
Self-discharge Characteristics



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.