



APPLICATIONS

- ✓ UPS Systems
- ✓ Central Battery Systems
- ✓ Fire Alarm System
- ✓ 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

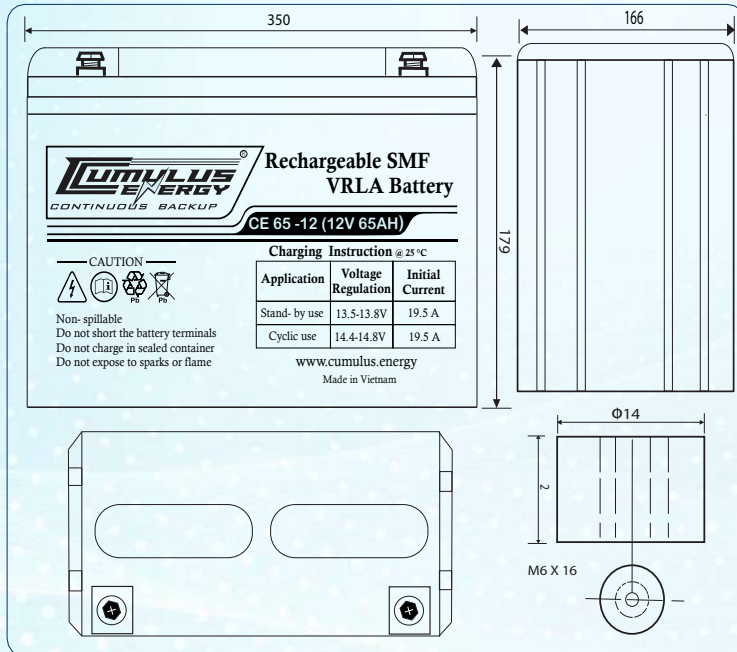
- ✓ ISO 9001: 2015
- ✓ ISO 14001: 2015
- ✓ OHSAS 45001: 2018

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	65Ah
	3 Hour rate	48Ah
	1 Hour rate	36Ah
Internal Resistance (25°C, 100%Charge)		Approx.6.5m 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		650A (5sec)
Maximum Charging current		19.5A
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



CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	5h	10h	20h
1.60	143	110	65.6	40.3	23.9	17.2	11.8	6.63	3.52
1.65	138	109	64.3	39.7	23.7	17.1	11.7	6.62	3.49
1.70	133	107	62.2	38.4	23.5	16.8	11.6	6.60	3.47
1.75	127	99	60.7	37.3	23.0	16.7	11.5	6.55	3.46
1.80	120	93.1	59	36.1	22.6	16.2	11.4	6.49	3.44

CONSTANT POWER DISCHARGE (Watts) AT 25°C

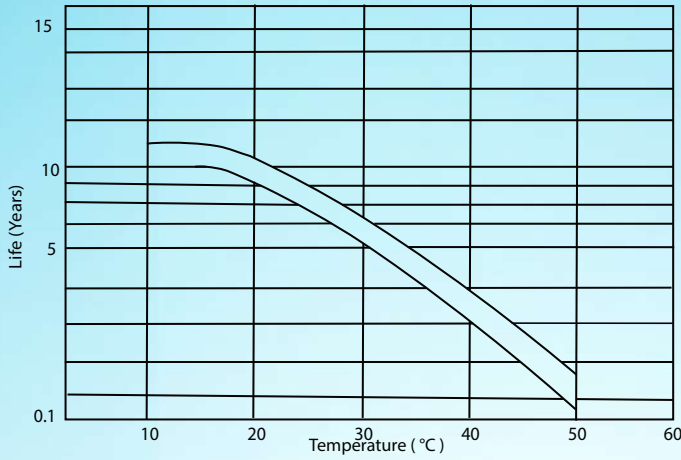
End Cell Voltage (ECV)	DURATION								
	10min	15min	30min	1h	2h	3h	5h	10h	20h
1.60	255.0	186.5	122.2	76.33	45.83	33.50	23.00	13.17	7.02
1.65	247.3	195.0	119.7	75.17	45.50	33.33	22.83	13.15	7.00
1.70	237.2	187.8	116.0	73.33	45.17	33.17	22.67	13.10	6.98
1.75	227.0	181.5	113.2	71.00	44.50	32.83	22.50	13.03	6.98
1.80	214.3	171.8	109.2	68.67	43.33	31.83	21.83	12.93	6.88

DIMENSION

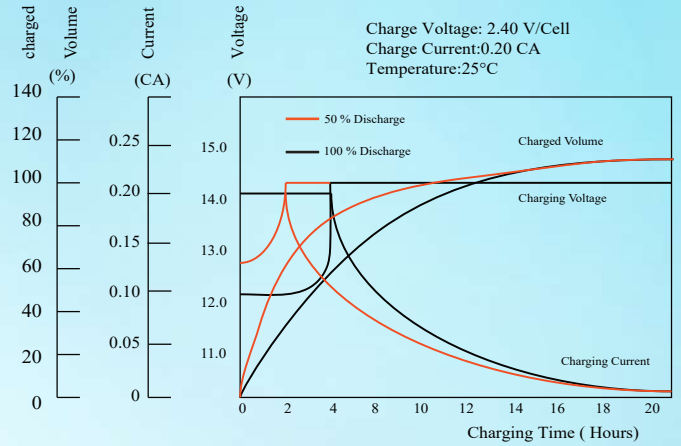
Length	Width	Height	Total Height	Weight (kg)
350 mm	166 mm	179 mm	179 mm	20.40 kg



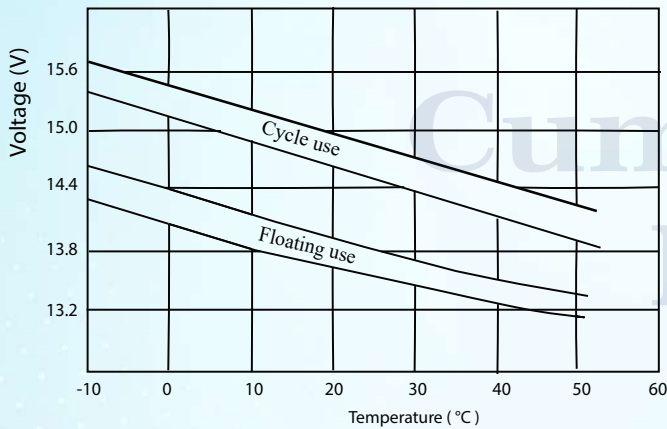
Float life vs Temperature



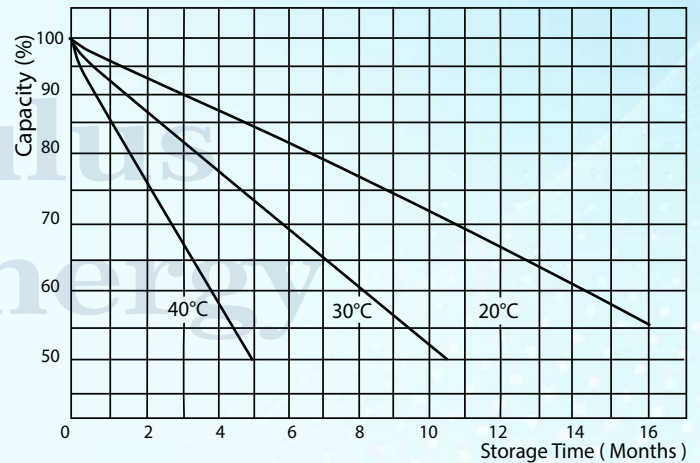
Charging Characteristics (25°C)



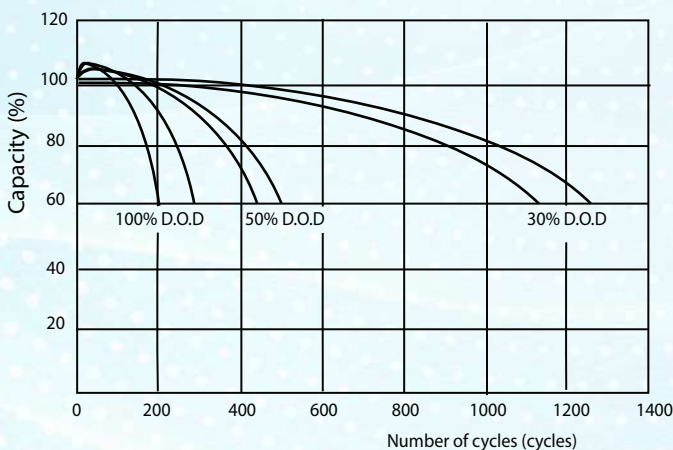
Recommended charging voltage vs temperature



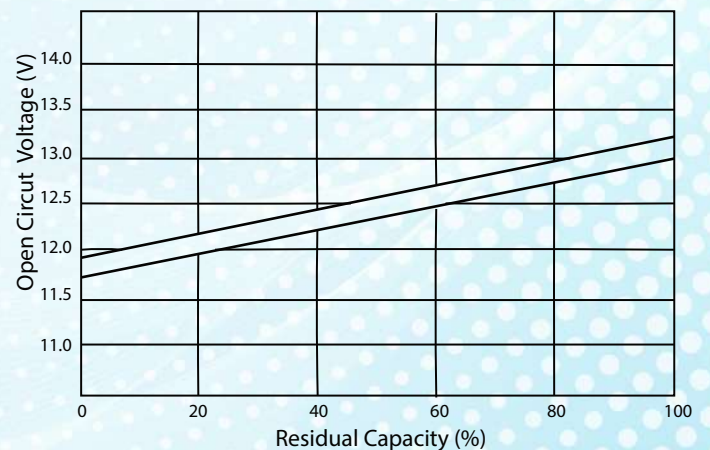
Self-discharge Characteristics



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.