

CE 9-12 ▶ 12V 9 AH

SMF VRLA RECHARGEABLE BATTERY



APPLICATIONS

- UPS Systems
- Banks, Finance & Data centers
- Central Battery Systems
- Hospital & Laboratories
- Emergency Lighting
- Fire Alarm Safety & Security Systems

COMPLIANCE

- ✓ Complies to JISC 8702
- ✓ Complies to IS15549
- ✓ Complies to IEC 60896-22

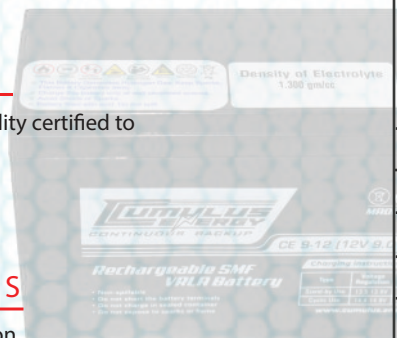
QUALITY STANDARDS

Manufactured in best-in-class facility certified to

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

TECHNICAL FEATURES

- Non-Spillable Sealed Construction
- Seal 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

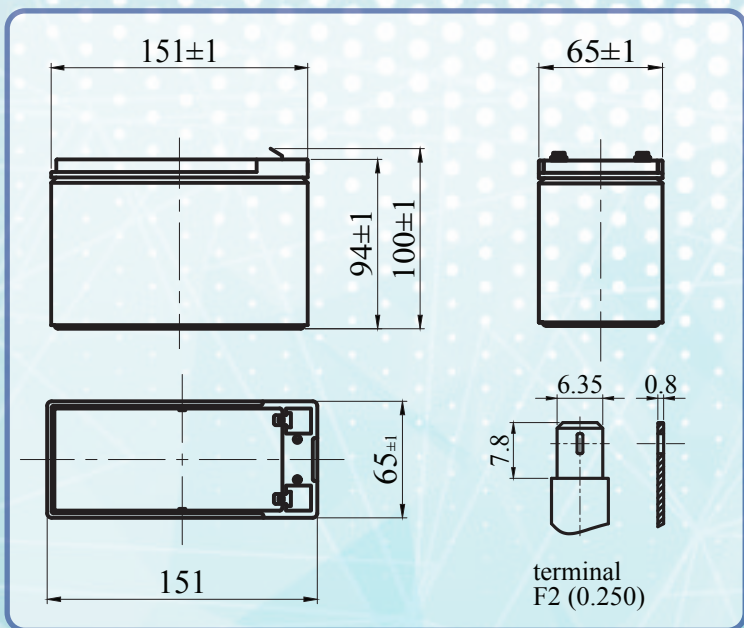
Nominal Voltage	12 V	
Capacity 25°C (77°F)	20 Hour rate	9.0Ah
	10 Hour rate	8.2Ah
	5 Hour rate	7.7Ah
Internal Resistance (25°C, 100% Charge)	≤ 21 mΩ	
Self Discharge (20°C)	1 Month	Remaining Capacity 97%
Operating Temperature	Discharge	-20°C - 60°C
	Charge	-10°C - 50°C
	Storage	-20°C - 60°C
Normal Operating Temperature	25°C ± 3°C	
Maximum Discharge current	135A	
Maximum Charging current	3.6A	
Short Circuit Current	450A	
Charge Methods Constant Voltage Charge 77°F (25°C) - Cycle use	14.4 to 14.7V	
	Temp. Compensation -30mV/°C	
Charge methods Constant Voltage Charge 77°F (25°C) - Standby Use	13.4 to 13.8V	
	Temp. Compensation -20mV/°C	
Design Life	10 years	

CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

End Cell Voltage (ECV)	DURATION								
	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60	33.0	24.2	17.0	9.90	5.80	2.33	1.60	0.87	0.47
1.65	32.1	23.6	16.5	9.79	5.75	2.29	1.56	0.86	0.46
1.70	30.9	22.9	16.1	9.36	5.71	2.25	1.55	0.84	0.46
1.75	30.3	22.1	14.6	8.91	5.66	2.20	1.54	0.82	0.45
1.80	29.6	21.0	13.9	8.45	5.51	2.14	1.53	0.82	0.44

CONSTANT POWER DISCHARGE (Watts) AT 25°C

End Cell Voltage (ECV)	DURATION								
	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60	71.7	44.8	33.6	19.6	11.5	4.34	3.10	1.70	0.90
1.65	68.3	44.3	33.1	19.1	11.2	4.29	3.04	1.60	0.90
1.70	64.8	42.9	31.1	18.5	11.0	4.20	2.98	1.60	0.90
1.75	61.4	41.1	30.2	17.6	10.7	4.08	2.92	1.60	0.90
1.80	58.0	39.2	28.4	16.6	10.4	3.92	2.85	1.60	0.80

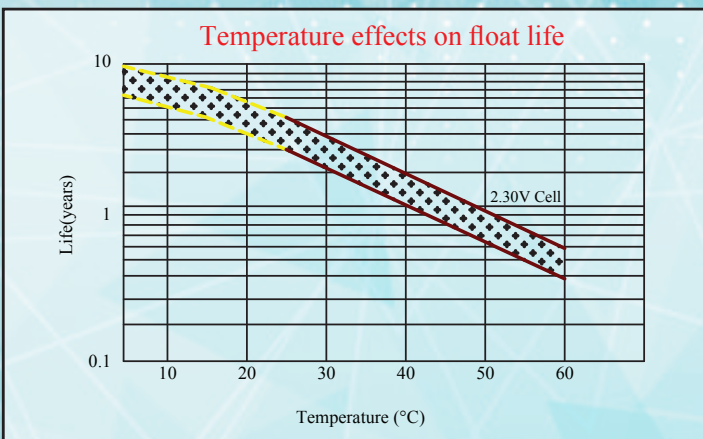
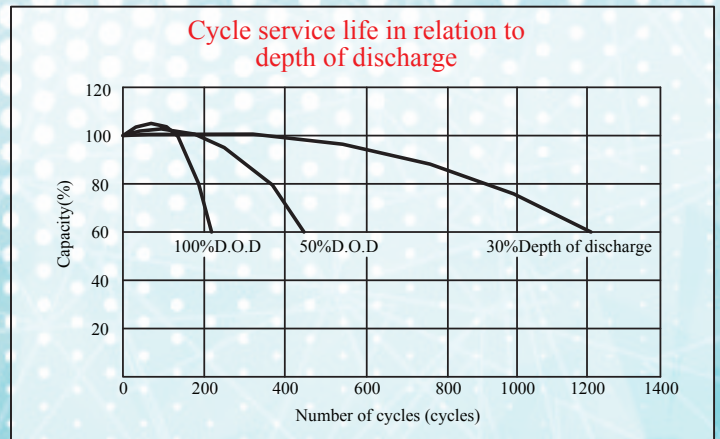
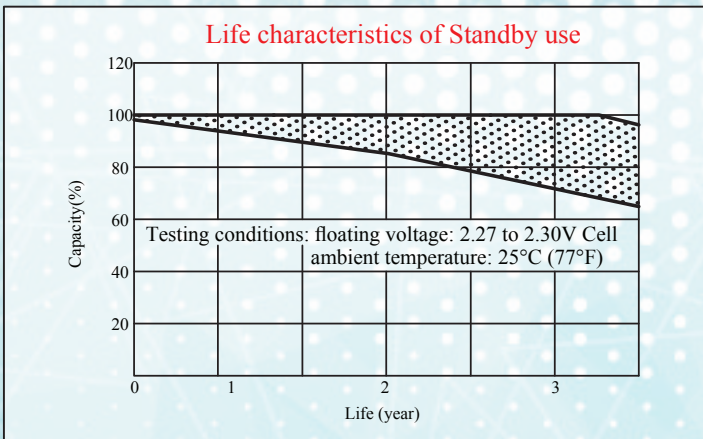
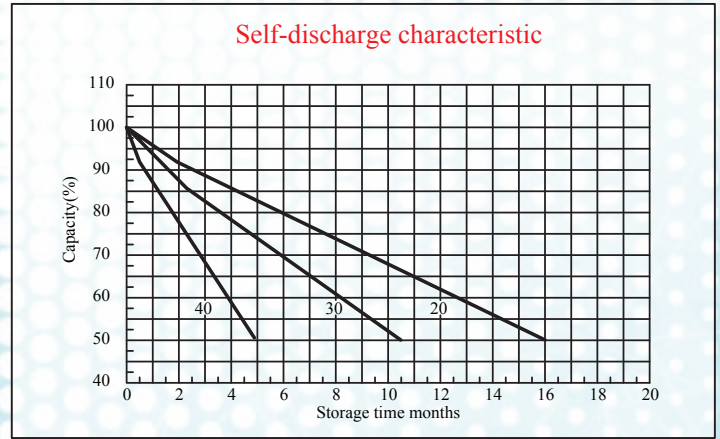
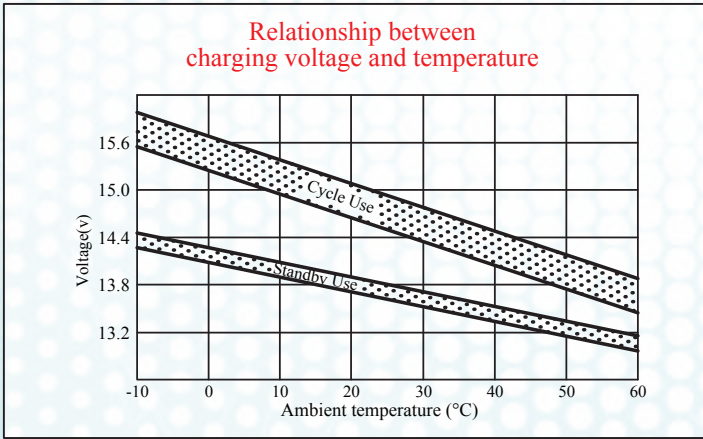
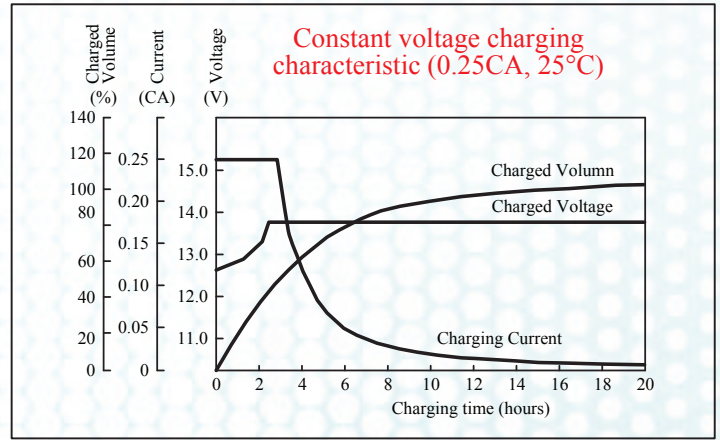
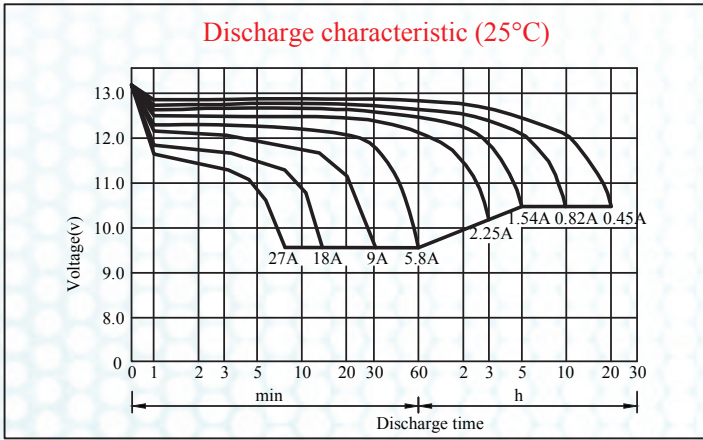


DIMENSION

Length	Width	Height	Total Height	Weight (kg)
151 mm	65 mm	94 mm	100 mm	2.8 ± 5%

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Authorized Distributor