

# CE 120-12▶12V 120AH

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

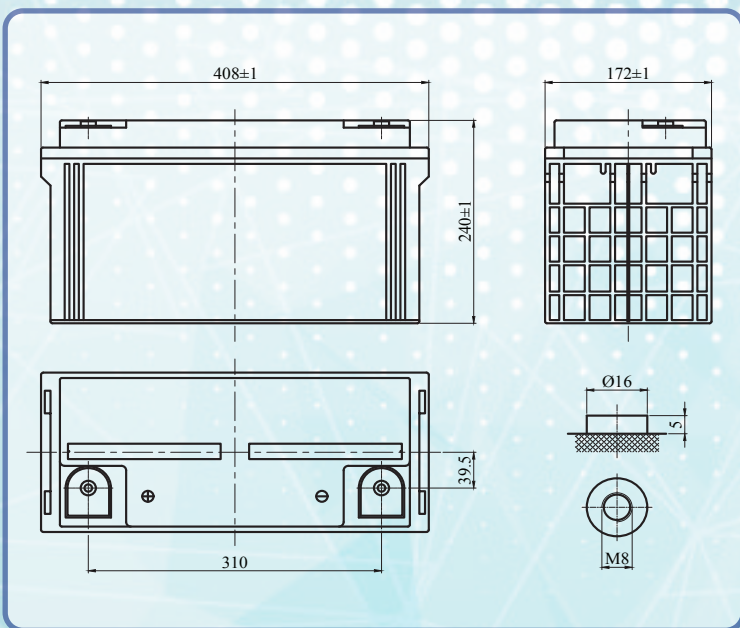
Nominal Voltage	12 V	
Capacity (25°C)	20 Hour rate	120Ah
Internal Resistance (25°C, 100% Charge)	≤ 6 m Ω	
Self Discharge (20°C)	1 Month	Remaining Capacity 97%
Operating Temperature	Discharge	-20°C - 60°C
	Charge	-10°C - 60°C
	Storage	-20°C - 60°C
Normal Operating Temperature	25°C ± 3°C	
Maximum Discharge current (25°C)	950A (5sec)	
Maximum Charging current (25°C)	36A	
Short Circuit Current	2250A	
Charge Methods Constant Voltage Charge 77°F (25°C) - Cycle use	14.4 to 14.7 V	
	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	12 Years	

## CONSTANT CURRENT DISCHARGE (Rating Amperes) AT 27°C

End Cell Voltage (ECV)	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	260.87	206.8	169	122.45	76.43	47.26	32.3	22.23	13.79	11.67	6.43
1.65	252.89	200.18	163.45	120.63	75.72	45.35	31.33	21.41	13.49	11.53	6.27
1.70	244.9	193.55	157.9	118.81	75	43.43	30.35	20.58	13.19	11.39	6.1
1.75	240	190.48	155.8	117.65	73.17	42.86	30.3	20.51	13.11	11.17	6
1.80	235.29	184.62	151.9	115.38	71.43	42.55	30.15	20.34	13.04	11.11	5.97

## CONSTANT POWER DISCHARGE (Watts per Battery) AT 27°C

End Cell Voltage (ECV)	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	2860	2354	1913	1453	900	544	397	266	181	146	74
1.65	2729	2302	1865	1432	880	536	386.5	260	177.5	145	73.5
1.70	2597	2249	1817	1411	860	528	376	254	174	144	73
1.75	2465	2197	1769	1390	840	520	365	248	170.5	143	72.5
1.80	2333	2144	1720	1368	819	511	354	242	167	142	72

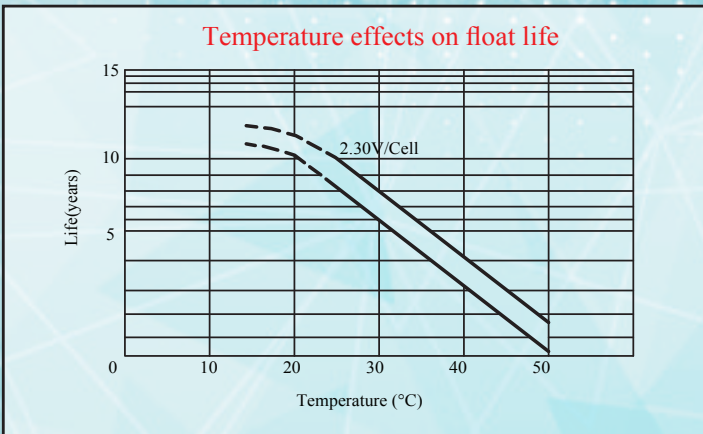
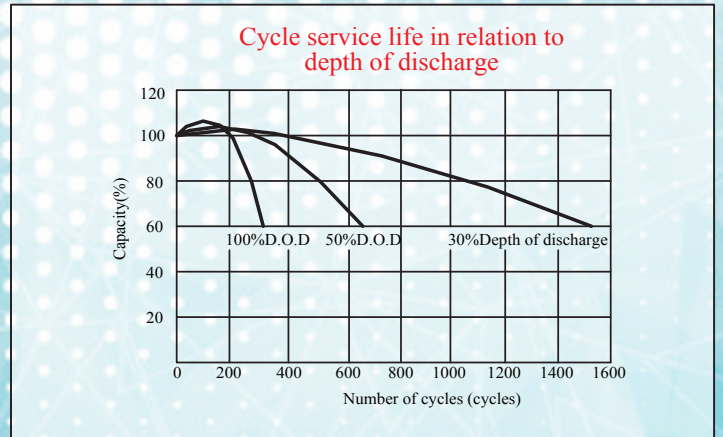
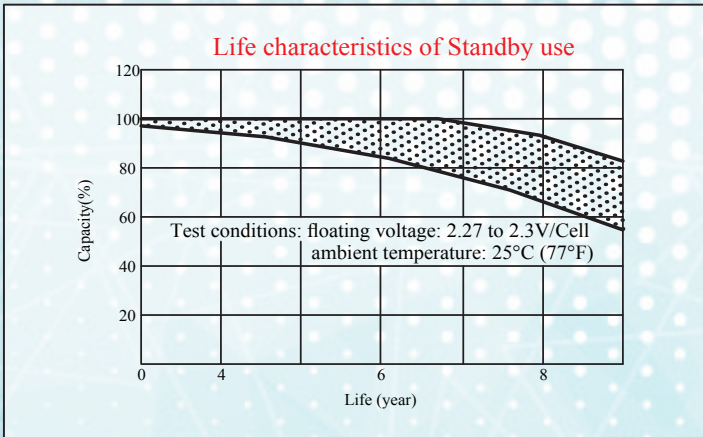
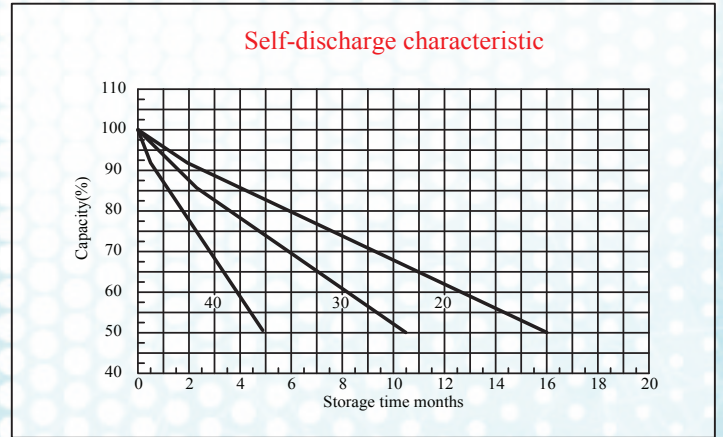
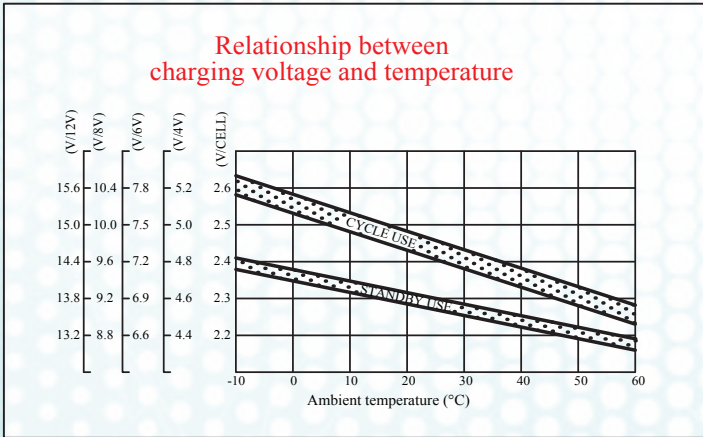
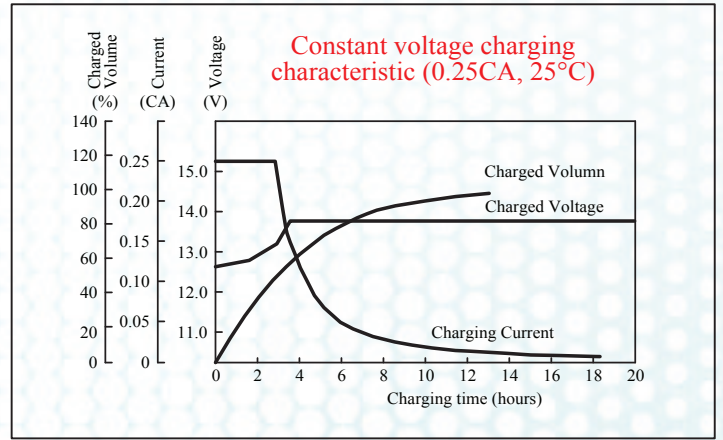
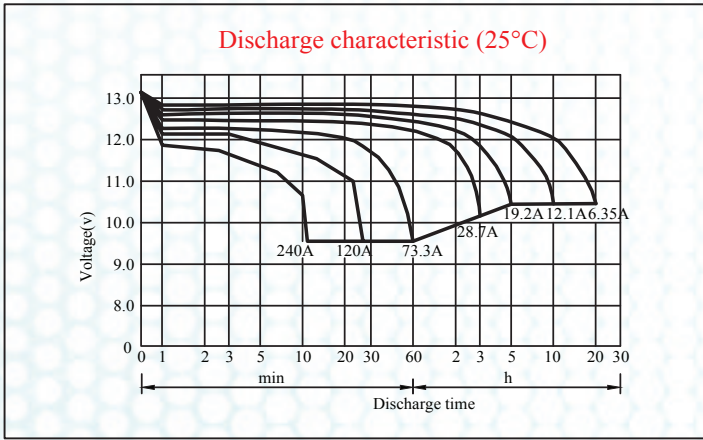


## DIMENSION

Length	Width	Height	Total Height	Weight (kg)
408mm	172mm	240mm	240mm	35.5 ± 5%

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**Authorized Distributor**