

# CE 28-12 ▶ 12V 28AH

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

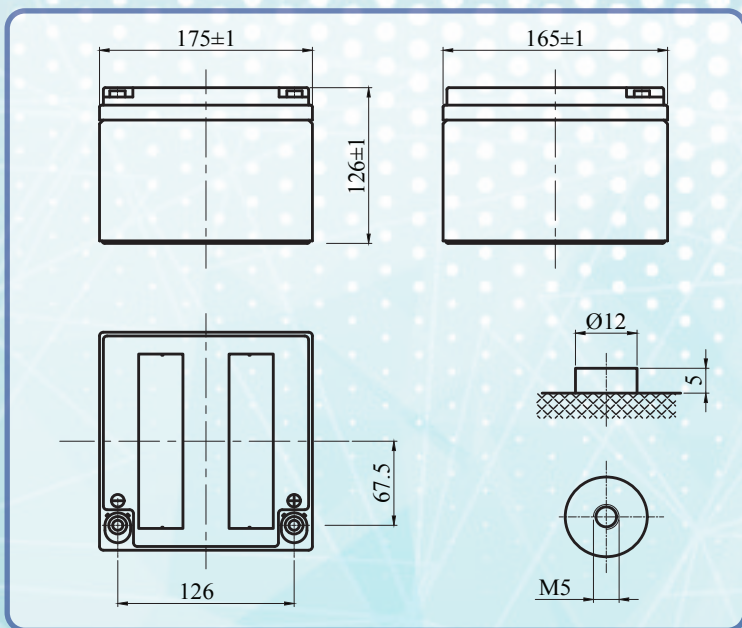
Nominal Voltage	12 V	
Capacity 25°C (77°F)	20 Hour rate	28Ah
	10 Hour rate	23.7Ah
	5 Hour rate	20.5Ah
Internal Resistance (25°C, 100% Charge)	≤ 14mΩ	
Self Discharge (20°C)	1 Month	Remaining Capacity 97%
Operating Temperature	Discharge	-20°C - 60°C
	Charge	-10°C - 60°C
	Storage	-20°C - 60°C
Normal Operating Temperature	25°C ± 3°C	
Maximum Discharge current	300A (5sec)	
Maximum Charging current	9.6A	
Short Circuit Current	1200A	
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	95.0	64.0	48.0	28.5	16.0	6.74	4.47	2.52	1.24
1.65	90.1	60.9	45.9	27.4	15.4	6.53	4.36	2.47	1.23
1.70	84.9	57.8	43.7	26.2	14.8	6.30	4.24	2.42	1.22
1.75	79.7	54.5	41.1	24.9	14.2	6.05	4.10	2.37	1.20
1.80	74.3	51.3	39.1	23.6	13.5	5.78	3.95	2.31	1.18

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

End Cell Voltage (ECV)	DURATION								
	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60	185	121	90.0	55.0	31.7	13.4	8.54	5.38	2.78
1.65	173	114	85.1	52.3	30.3	13.1	8.39	5.35	2.77
1.70	161	107	80.2	49.4	28.9	12.5	8.22	5.30	2.73
1.75	151	99.7	75.2	46.6	27.5	12.0	8.03	5.18	2.68
1.80	139	92.7	70.3	43.7	26.0	11.4	7.83	5.12	2.62

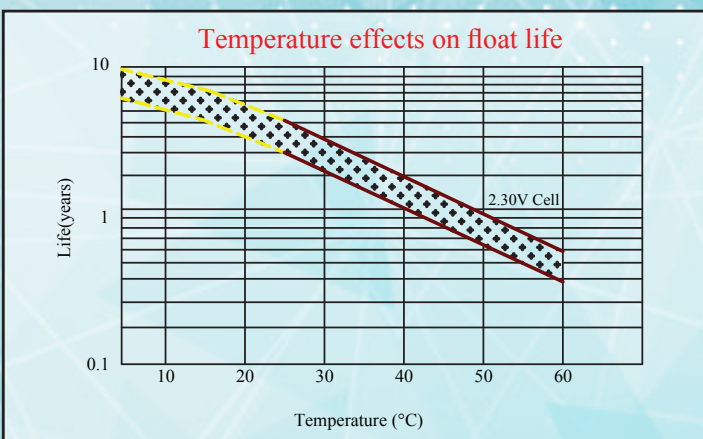
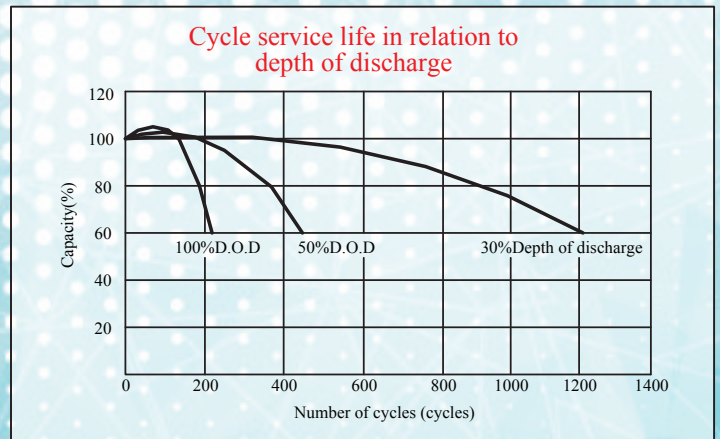
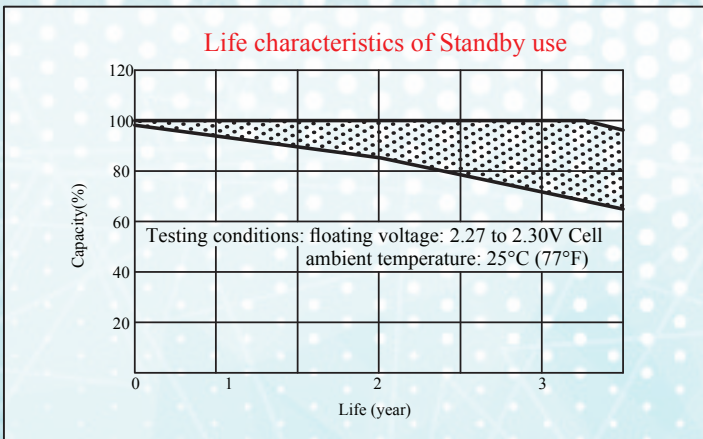
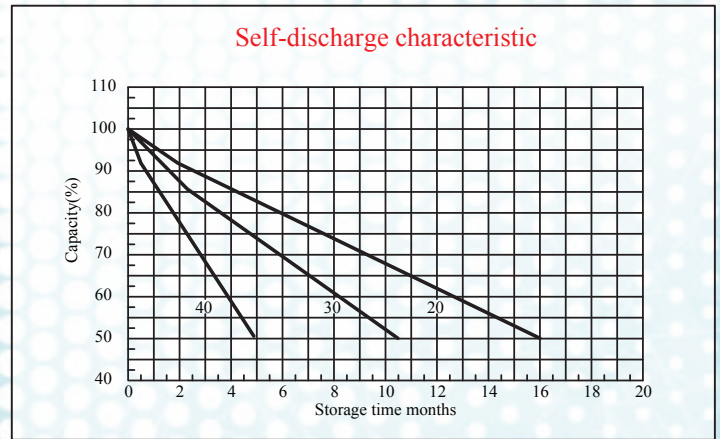
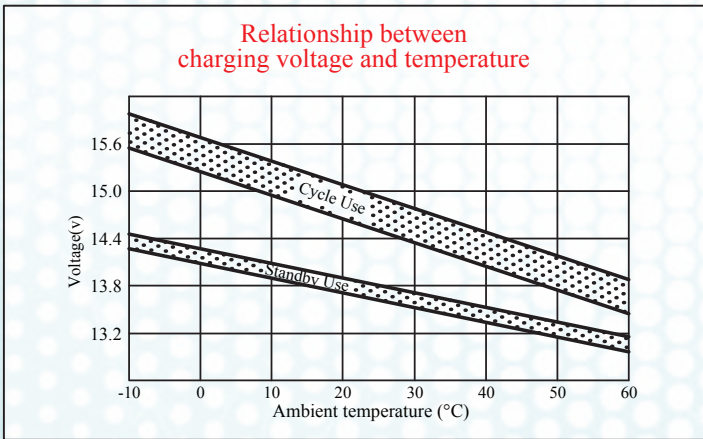
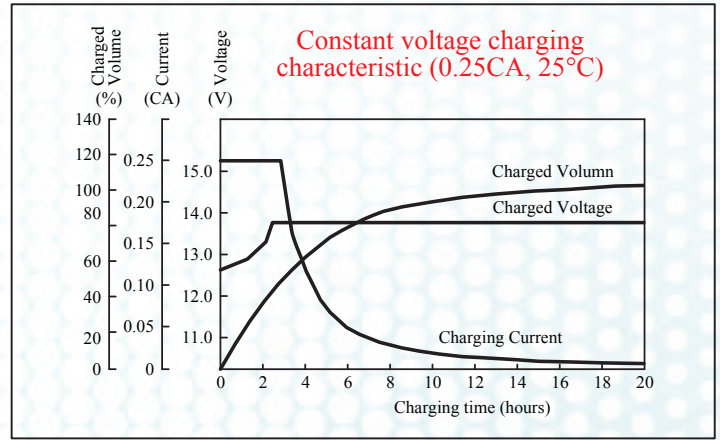
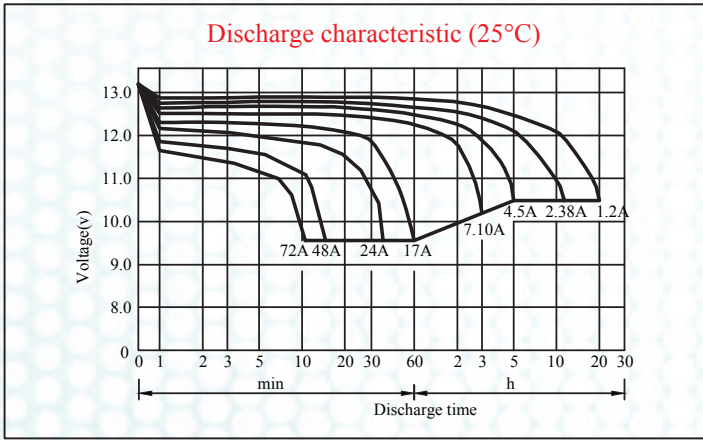


## DIMENSION

Length	Width	Height	Total Height	Weight (kg)
175 mm	165 mm	126mm	126 mm	8.1 ± 5%

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**Authorized Distributor**