

CE 100-12 ▶ 12V 100 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

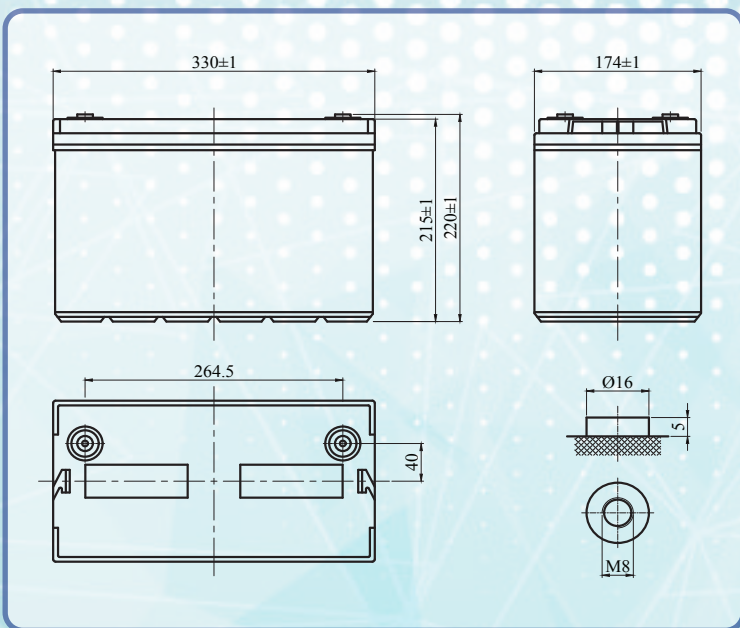
TECHNICAL FEATURES

- 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)	20 Hour rate	100Ah
Internal Resistance (25°C, 100% Charge)	≤ 7 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)	500A (5sec)	
Maximum Charging current (25°C)	30A	
Short Circuit Current	2100A	
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	



DIMENSION

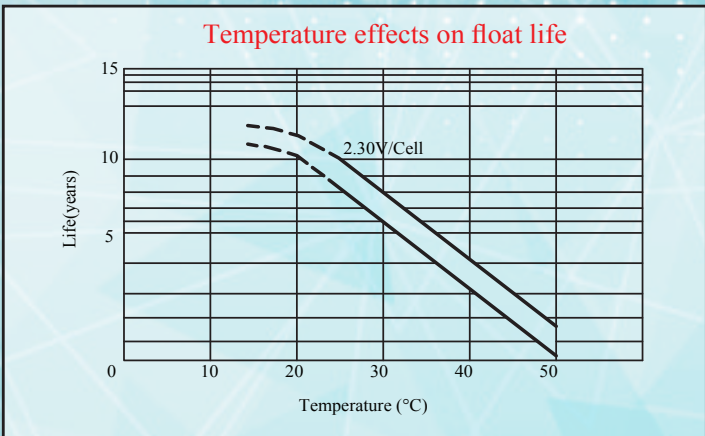
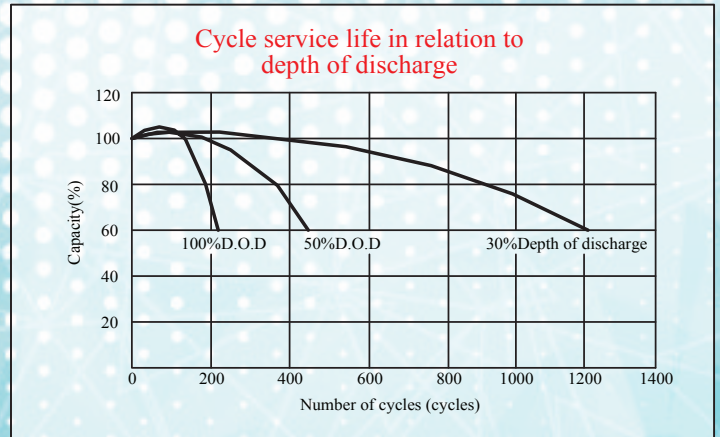
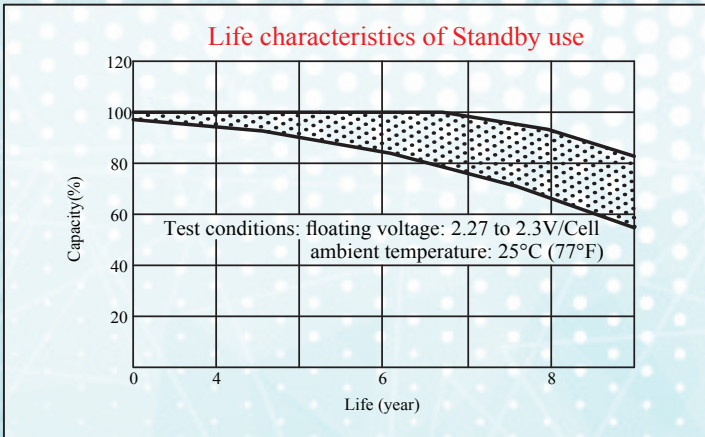
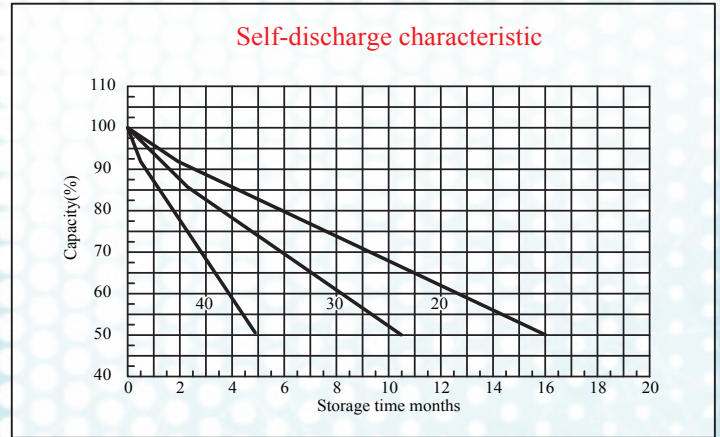
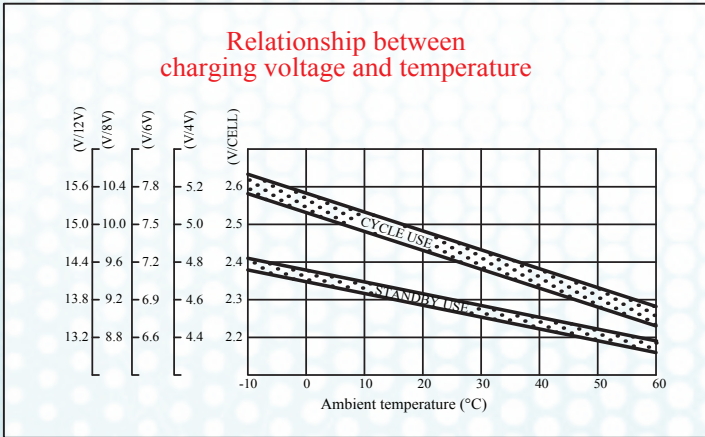
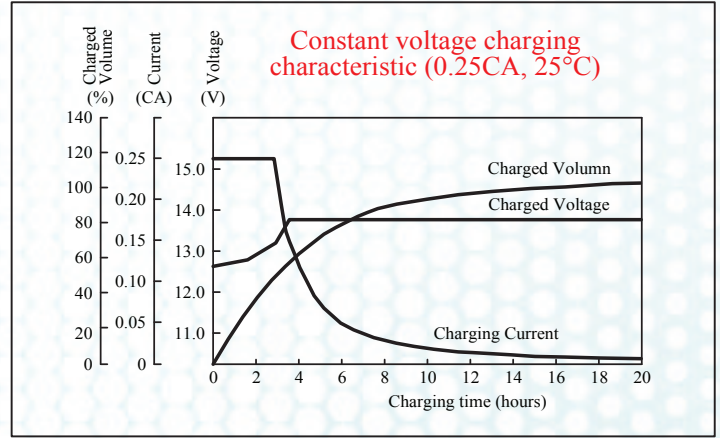
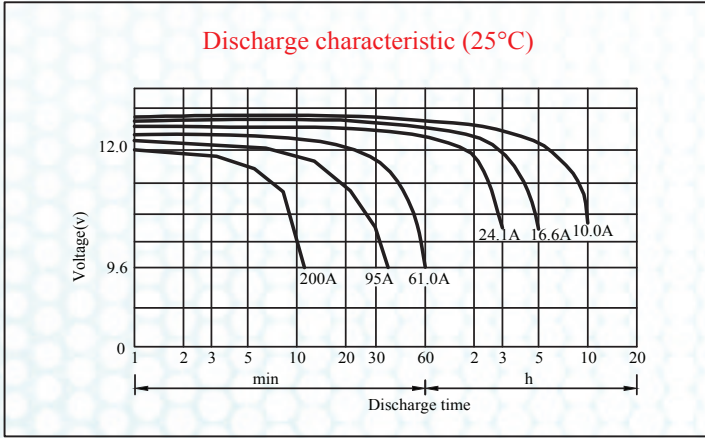
Length	Width	Height	Total Height	Weight (kg)
330mm	174mm	230mm	230mm	30.5 ± 3%

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	217.39	172.41	140.8	102.04	63.69	39.39	26.92	18.53	11.49	9.72	5.36
1.65	210.74	166.85	136.1	100.52	63.09	37.79	26.1	17.84	11.24	9.605	5.22
1.70	204.1	161.3	131.5	99	62.5	36.19	25.29	17.15	10.99	9.49	5.09
1.75	200	158.7	129.8	98	61	35.71	25.25	17.09	10.93	9.31	5
1.80	196.1	153.8	126.5	96.2	59.5	35.46	25.13	16.95	10.87	9.26	4.97

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	2416	2010	1500	1209	750	453	331	222	151	122	62
1.65	2362	1974	1438	1183	734	447	322	217	148	121	61.5
1.70	2308	1883	1376	1157	717	440	313	212	145	120	61
1.75	2254	1820	1364	1131	700	433	304	207	142	119	60.5
1.80	2200	1756	1352	1105	683	426	295	202	139	118	60



Authorized Distributor