



EnerRocket™
CONTINUOUSLY SAFEGUARDING

ESC 250-12 FR

SMF VRLA RECHARGEABLE BATTERY

**LONG
LIFE
SERIES**

APPLICATIONS

- UPS Systems
- Telecommunication Systems
- Fire Alarm Safety & Security Systems
- Medical Equipment

COMPLIANCE STANDARDS

- IEC 60896 PART 21 & 22
- BS6290-4
- EUROBAT- HIGH Performance

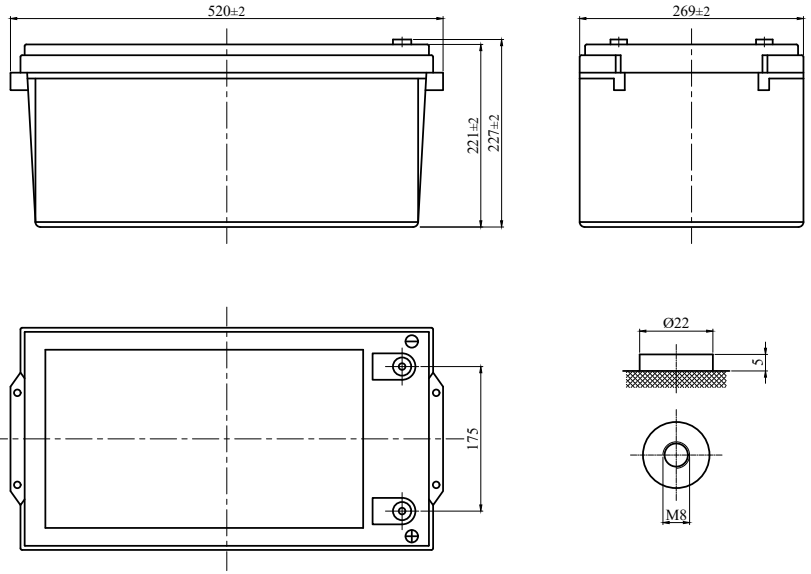
TECHNICAL FEATURES



- Non-Spillable Sealed Construction
- Absorptive Glass Mat System (AGM System)
- ABS (Acrylonitrile Butadiene Styrene) construction
- Gas Recombination
- Venting System for low internal pressure
- Low Self-Discharge
- Heavy-Duty, Highly Optimized Grids
- High Power Output

CHARACTERISTICS

Nominal Voltage	12 V	
Design Life	12 Years	
Capacity (25°C)	10 Hour rate	250Ah
Internal Resistance (25°C, 100% Charge)	≤3.0 mΩ	
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)	1250A (5sec)	
Maximum Charging current (25°C)	75A	
Short Circuit Current	4300A	
Charge Methods	14.4 to 14.7 V	
Constant Voltage Charge 77°F (25°C) - Cycle use	Temp. Compensation -30mV/°C	
Charge methods	13.4 to 13.8V	
Constant Voltage Charge 77°F (25°C) - Standby Use	Temp. Compensation -20mV/°C	



SPECIFICATIONS

Length	Width	Height	Total Height	Weight (kg)
520mm	269mm	221mm	227mm	74.0 ± 0%

CONSTANT CURRENT DISCHARGE (Amperes) AT 25°C

End Voltage Volts/Cell	15min	20min	30min	1h	1.5h	2h	3h	4h
1.60	463	307	274	160	111	89.6	72.3	54.0
1.65	430	304	258	153	110	88.8	69.5	53.8
1.70	415	302	252	150	109	88.3	68.3	53.5
1.75	386	298	240	146	108	87.3	66.3	53.0
1.80	357	290	229	142	107	87.0	64.2	52.6

CONSTANT POWER DISCHARGE (Watts) AT 25°C

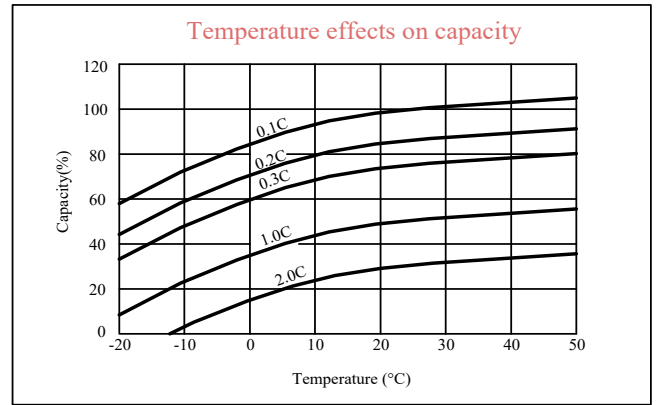
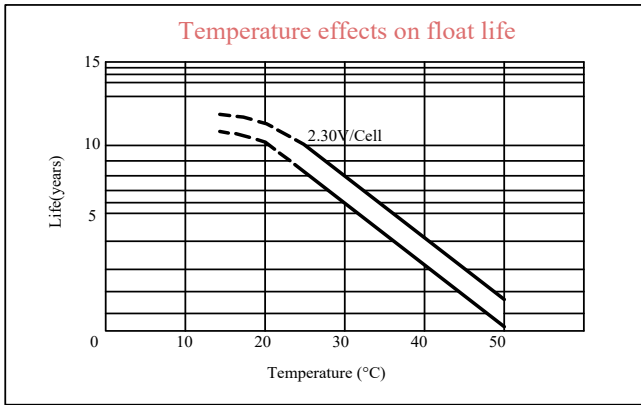
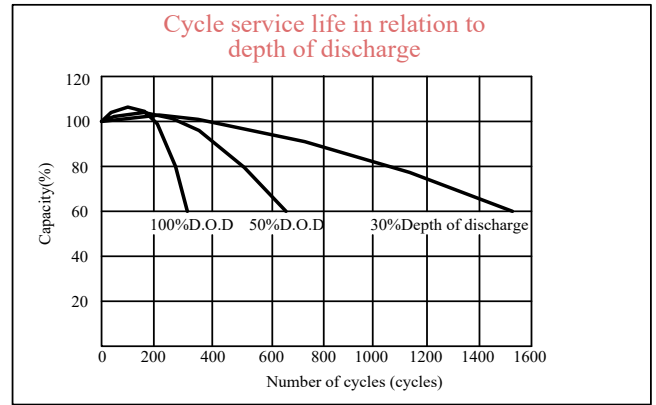
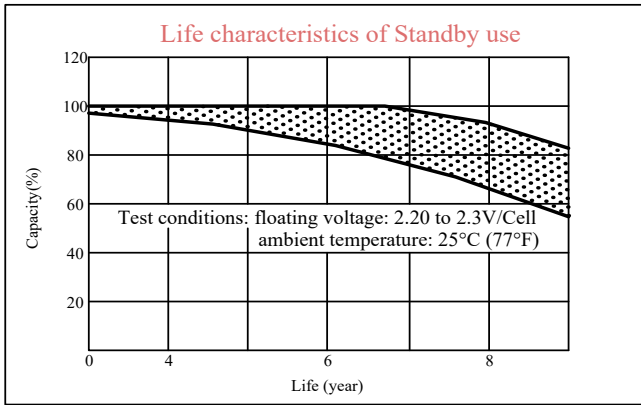
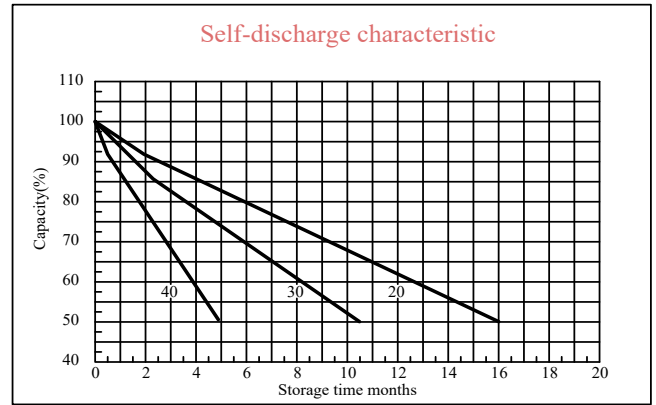
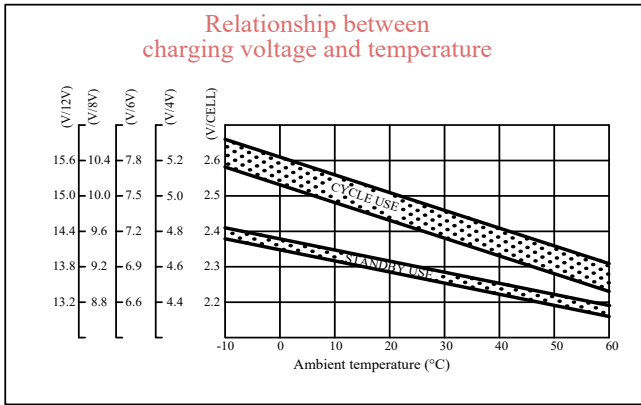
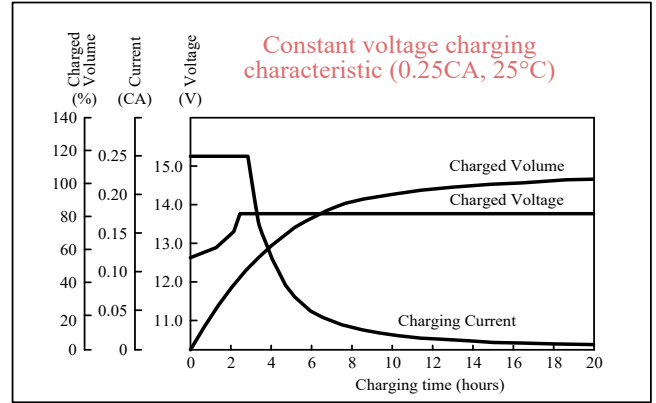
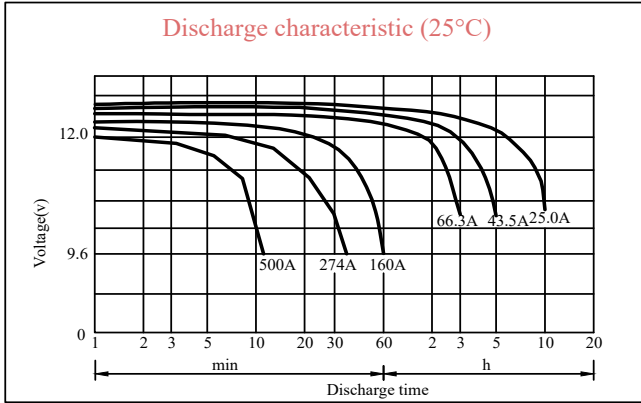
End Voltage Volts/Cell	15min	20min	30min	1h	1.5h	2h	3h	4h
1.60	810	573	497	300	213	182	135	103
1.65	770	570	475	291	212	175	133	103
1.70	747	564	465	285	210	172	131	122
1.75	705	558	449	278	208	165	127	101
1.80	660	552	434	268	205	160	123	100



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Note:
GPSSGC reserves the right to make changes to the above values without any notice.
All data and discharge characteristics are average values based on actual discharge cycle tests performed and not minimum values.