



EnerRocket™
CONTINUOUSLY SAFEGUARDING

ESH 12-400W FR

SMF VRLA RECHARGEABLE BATTERY

HIGH RATE
LONG LIFE SERIES

APPLICATIONS

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

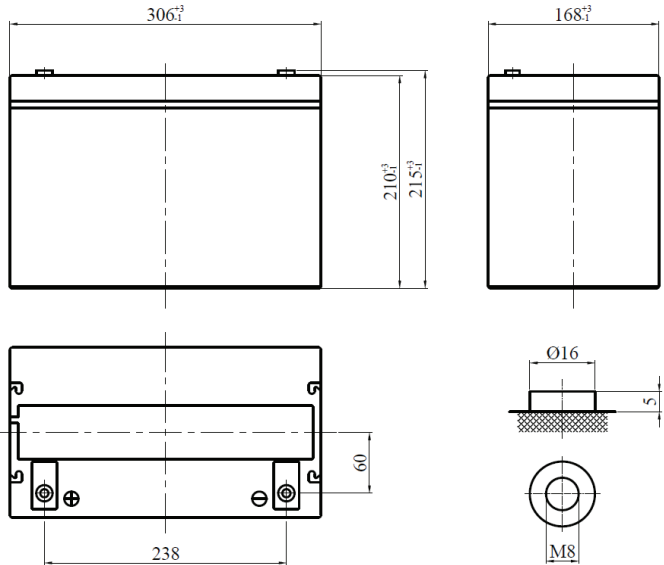
COMPLIANCE STANDARDS

- 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



SPECIFICATIONS

Length	Width	Height	Total Height	Weight (kg)
306mm	168mm	210mm	215mm	29.2 ± 5%

CHARACTERISTICS

Nominal Voltage	12V	
Design Life	12 Years	
Capacity (25°C)	15min 1.67ECV	95 AH
Internal Resistance(25°C, 100% Charge)	≤4.4 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)	810A (5sec)	
Maximum Charging current (25°C)	28A	
Charge Methods Constant Voltage Charge 25°C Cyclic Use	14.4 to 14.7V	
	Temp. Compensation -30mV/°C	
Charge Methods Constant Voltage Charge 25°C Standby Use	13.4 to 13.8V	
	Temp. Compensation -20mV/°C	

CONSTANT CURRENT DISCHARGE (Amperes) AT 25 °C

End Voltage Volt/Cell	3min	5min	10min	15min	20min	25min	30min	45min	60min
1.60V	446	376	286	215	182	161	145	100	71.2
1.65V	441	366	270	211	180	158	139	99	68.7
1.67V	439	362	264	210	179	156	137	99	67.7
1.70V	425	352	251	200	171	148	129	86	65.1
1.75V	408	339	245	194	167	144	125	84	63.2
1.80V	397	318	236	188	156	137	120	82	60.5

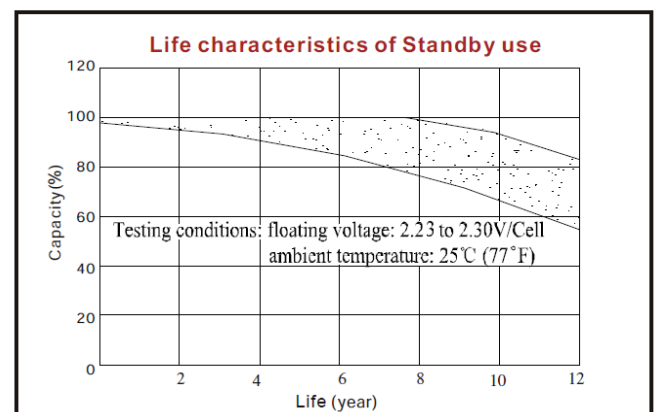
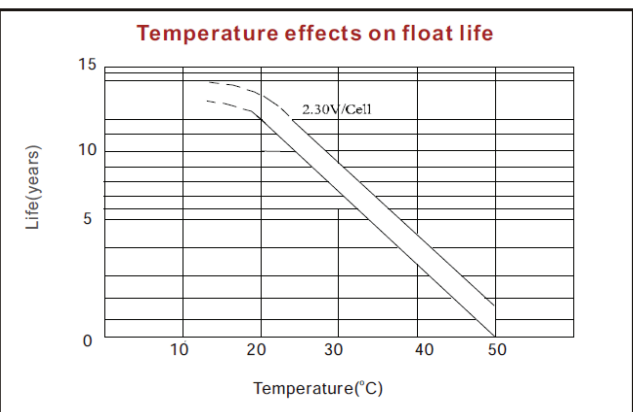
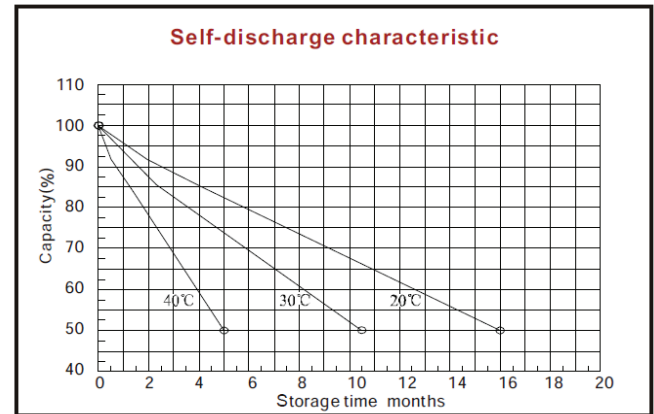
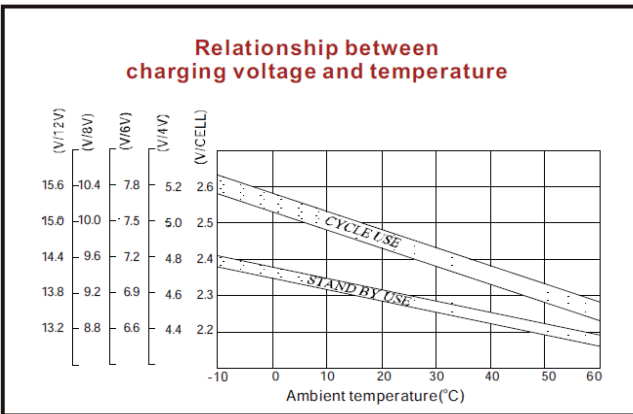
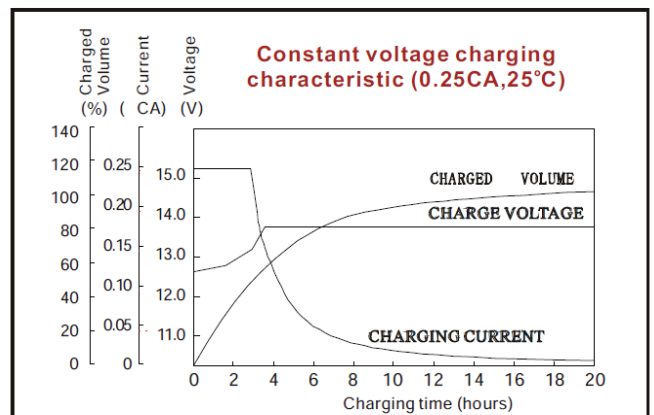
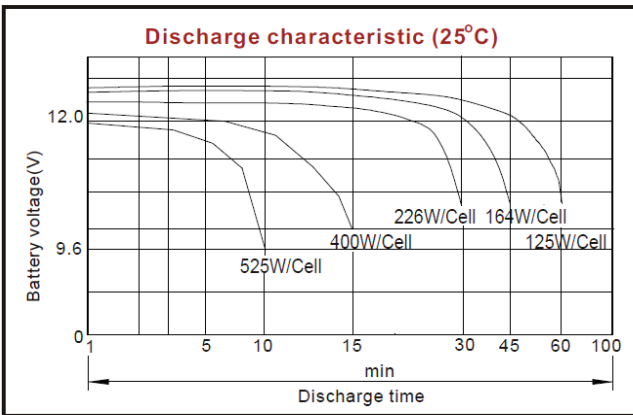
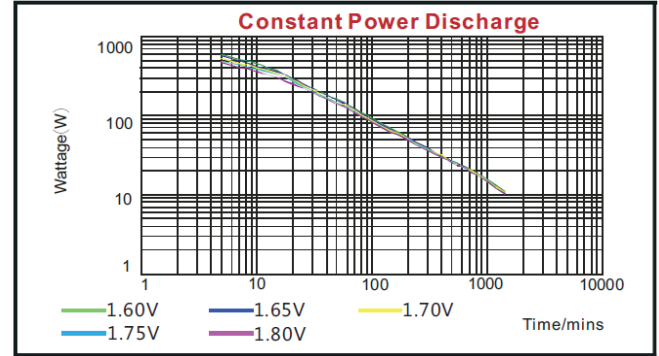
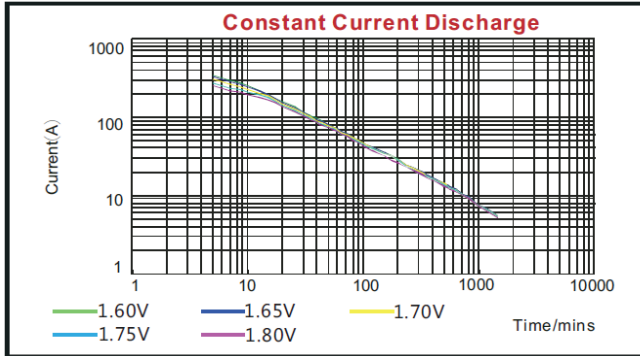
CONSTANT POWER DISCHARGE (Watts) AT 25 °C

End Voltage Volt/Cell	3min	5min	10min	15min	20min	25min	30min	45min	60min
1.60V	874	719	525	412	349	300	259	187	141
1.65V	860	686	505	403	336	289	249	182	138
1.67V	854	672	497	400	331	284	245	181	137
1.70V	821	642	487	390	321	274	235	170	132
1.75V	764	607	457	358	311	264	226	164	125
1.80V	708	567	427	344	296	258	221	159	121



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Note: GPSGC 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.