



EnerRocket™

CONTINUOUSLY SAFEGUARDING

ESH 12-710W FR

SMF VRLA RECHARGEABLE BATTERY

HIGH RATE
LONG
LIFE
SERIES

APPLICATIONS

UPS Systems

Critical Data Centre

Fire Alarm Safety & Security Systems

Medical Equipment

COMPLIANCE STANDARDS

IEC 60896 PART 21 & 22

Design Life as per Eurobat Standards

TECHNICAL FEATURES



ABS

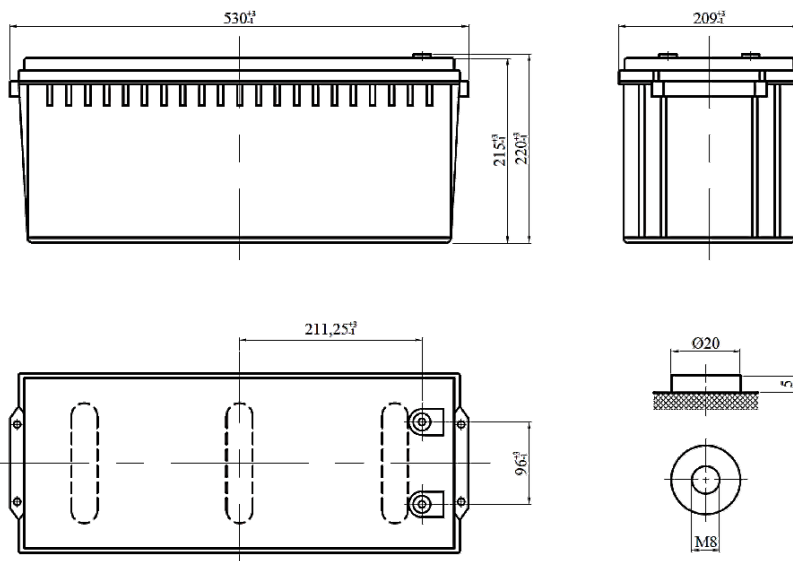
TERMINAL DESIGN
FOR HIGH CURRENT



- Non-Spillable Sealed Construction
- Thin Plate Pure Lead Grid
- 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
- Maintenance-Free Operation

CHARACTERISTICS

Nominal Voltage	12 V	
Design Life	12 Years	
Capacity 25°C (77°F)	15min 1.70ECV	710W
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 ± 2°C	
Maximum Discharge current	1000A (5sec)	
Maximum Charging current	60A	
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	



SPECIFICATIONS

Length	Width	Height	Total Height	Weight (kg)
530 mm	209 mm	215 mm	220 mm	57.0 Kg ±5%

CONSTANT CURRENT DISCHARGE (Amperes) AT 25 °C

End Cell Voltage / Cell	3 min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min
1.60	943	720	507	430	360	320	292	207	162
1.65	939	715	498	420	355	313	280	205	160
1.67	929	707	488	410	348	307	272	198	155
1.70	913	690	475	390	340	295	265	192	150
1.75	899	672	460	380	325	283	256	184	143
1.80	884	658	438	353	310	273	245	176	138

CONSTANT POWER DISCHARGE (Watts) AT 25 °C

End Cell Voltage / Cell	3 min	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min
1.60	1356	1155	872	745	630	553	500	355	277
1.65	1341	1137	860	736	618	543	485	344	270
1.67	1335	1128	855	730	614	538	478	340	267
1.70	1304	1015	825	710	595	520	460	329	257
1.75	1264	995	812	690	570	498	450	315	247
1.80	1227	975	795	655	552	485	423	302	236



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