

ES 26-12

AGM-VRLA 12V - 26Ah

INTRODUCTION

The ES Series is the most popular series of Rocket batteries and has a proven performance track record of more than 52 years. It has successfully exemplified its quality and reliability in some of the most demanding power conditions by providing relentless backup power supply.

TECHNICAL FEATURES

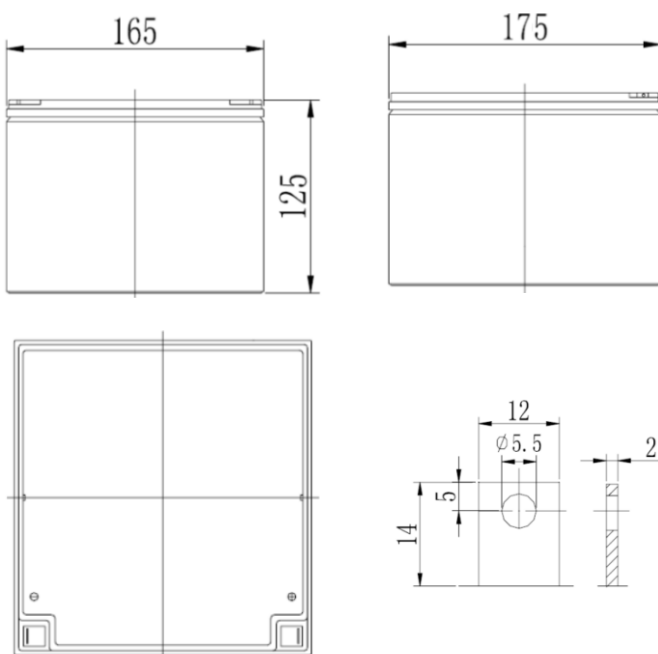
- Non-Spillable Sealed Construction
- Absorptive Glass Mat System (AGM System)
- ABS (Acrylonitrile Butadiene Styrene) container and cover
- Gas Recombination
- Maintenance-Free Operation
- Low Pressure Venting System
- Heavy - Duty Grids
- Low Self-Discharge - Long Shelf Life
- Wide Operating Temperature Range

APPLICATIONS

- UPS
- Telecom Communication Equipments
- Fire Alarm & Security Systems
- Medical Instruments

COMPLIANCE STANDARDS

- IEC 60896 PART 1 & 2
- BS6290-4,
- Eurobat Guide - HIGH Performance



SPECIFICATIONS

Nominal Voltage		12V
Capacity (20HR, 25°C)		26Ah
Dimensions	Length	166mm
	Width	175mm
	Height	125mm
	Total Height	125mm
Approx Weight		8.0kg
Design Life		10 Years

CHARACTERISTICS

Capacity 25°C (77°F)	20 Hour rate	26Ah
	10 Hour rate	24.7Ah
	5 Hour rate	22.1Ah
Internal Resistance (Fully Charge, 25°C)		≤ 11mΩ
Self Discharge (27°C)	1 month	Remaining Capacity: 97%
Operating temperature range	Discharge	-15°C ~ 50°C
	Charge	-15°C ~ 40°C
	Storage	-15°C ~ 40°C
Maximum Discharge current		390A (5sec.)
Maximum Charging current		7.8A
Nominal Operating Temp. Range		25±3°C (77±5°F)
Charge Methods (Constant Voltage Charge 77°F (25°C) - Cyclic Use		Cycle Use 14.4 to 15.0V
		Temp. Compensation - 30mV/°C
Charge Methods (Constant Voltage Charge 77°F (25°C) - Standby Use		Standby Use 13.5V to 13.8V
		Temp. Compensation - 20mV/°C

CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNIT: (Amperes) at 25°C

F.V/TIME	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60V	105.0	65.6	49.8	27.7	15.8	8.31	6.62	5.28	4.49	2.64	1.39
1.65V	101.0	62.4	48.2	26.9	15.7	8.26	6.58	5.25	4.47	2.63	1.38
1.67V	98.3	60.5	47.3	26.2	15.6	8.22	6.55	5.22	4.45	2.62	1.37
1.70V	96.1	58.8	46.2	25.6	15.5	8.19	6.53	5.20	4.44	2.61	1.36
1.75V	90.7	54.6	43.7	24.7	15.3	8.08	6.50	5.14	4.40	2.60	1.35
1.80V	82.3	50.4	41.1	23.2	15.0	7.96	6.41	5.07	4.35	2.56	1.33
1.85V	70.2	45.8	37.9	20.8	14.5	7.65	6.21	4.97	4.22	2.48	1.29

CONSTANT POWER DISCHARGE: (Watts per cell) at 25°C

F.V/TIME	5min	10min	15min	30min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60V	177.0	121.7	91.3	50.3	30.8	16.67	13.30	10.65	9.05	5.38	2.78
1.65V	165.2	117.0	88.2	49.5	30.5	16.52	13.17	10.60	9.02	5.35	2.77
1.67V	159.3	114.2	86.7	48.8	30.2	16.37	13.10	10.55	8.97	5.32	2.75
1.70V	154.7	111.2	84.3	48.0	30.0	16.17	13.05	10.52	8.93	5.30	2.73
1.75V	142.2	105.8	80.8	46.5	29.3	15.90	12.87	10.37	8.82	5.18	2.68
1.80V	128.7	99.7	76.5	44.5	28.5	15.42	12.65	10.18	8.70	5.12	2.62
1.85V	114.3	88.2	70.2	41.0	27.0	14.60	12.22	9.82	8.47	4.93	2.53