

# ES 26-12

12V - 26Ah

## INTRODUCTION

The most advanced technology of ROCKET, Valve Regulated Lead Acid batteries make them highly useful in a broad range of applications. The use of high-purity calcium alloy maximizes the longevity of ROCKET batteries to ensure excellent performance in any circumstances.

ES Series are specially designed to provide better cyclic life and are ideally suited for areas prone to frequent power failures.

The unique construction coupled with the use of special sealing epoxies and long sealing paths of ROCKET series ensures that no electrolyte leakage can occur from terminals or cases of any ROCKET Batteries. This feature ensures safe & efficient operation of ROCKET batteries in any position.

## TECHNICAL FEATURES

- Non-Spillable Sealed Construction
- Absorbent 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
- Emergency Lighting
- Computer Backup

## COMPLAINTS STANDARD

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

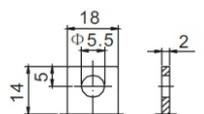
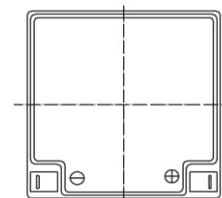
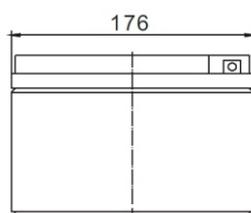
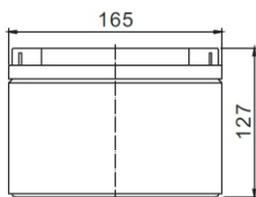
## SPECIFICATION

Nominal Voltage		12V
Capacity (20HR, 25°C)		26Ah
Dimension	Length	165mm (6.50inch)
	Width	176mm (6.939inch)
	Height	127mm (5.0inch)
	Total Height	127mm (5.0inch)
Approx Weight		8.1kg (17.8lbs)
Design Life		7 Years

## CHARACTERISTICS

Capacity 25°C (77°F)	20 hour rate	26Ah
	10 hour rate	24.3Ah
	5 hour rate	22.1Ah
	1 hour rate	15.7Ah
Internal resistance (Fully charge, 25°C)		12mΩ
Self-discharge (25°C)	1 month	Remaining Capacity:97%
Operating temperature range	Discharge	-20°C~60°C
	Charge	-10°C~60°C
	Storage	-20°C~60°C
Maximum discharge current		77°F(25°C)390A(5 Sec.)
Charge Methods (Constant Voltage Charge 77°F(25°C)) - Cyclic Use	Cycle Use 14.4 to 14.9V	
	Max. charging Current 7.8A	
	Temp. compensation - 30mV/°C	
Charge Methods (Constant Voltage Charge 77°F(25°C)) - Standby Use	Standby Use 13.6-13.8V	
	Temp. compensation - 20mV/°C	

**THE BATTERY CONTAINER AND COVER ARE AVAILABLE BOTH IN ABS plastic and Flame Retardant (FR).**



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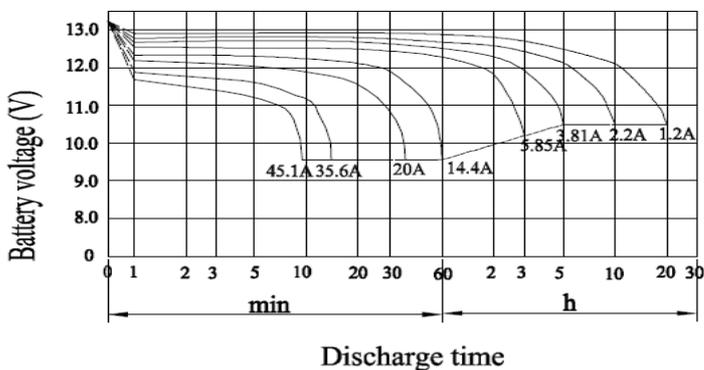
## CONSTANT CURRENT DISCHARGE (Amperes) at 25°C

End Point Volts/Cell	5min	10min	15min	20min	25min	30min	35min	40min	45min	60min	90min	2 hr	3 hr	4 hr
1.60	83.2	55.8	44.3	36.4	31.5	27.8	24.8	22.6	20.8	17.0	12.8	10.23	7.42	5.91
1.65	82.4	55.3	43.9	36.0	31.2	27.5	24.6	22.4	20.6	16.8	12.7	10.13	7.35	5.85
1.70	81.4	54.6	43.3	35.6	30.8	27.2	24.3	22.1	20.4	16.6	12.5	10.00	7.25	5.78
1.75	79.7	53.4	42.4	34.8	30.1	26.6	23.8	21.6	19.9	16.3	12.2	9.79	7.10	5.65
1.80	74.9	50.2	39.9	32.7	28.3	25.0	22.3	20.3	18.7	15.3	11.5	9.20	6.67	5.31
1.85	70.1	47.0	37.3	30.6	26.5	23.4	20.9	19.0	17.5	14.3	10.77	8.61	6.25	4.97

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

End Point Volts/Cell	5min	10min	15min	20min	25min	30min	35min	40min	45min	60min	90min	2 hr	3 hr	4 hr
1.60	180	104.4	77.6	63.0	54.0	47.3	42.4	38.5	35.6	28.9	21.4	17.3	12.75	10.21
1.65	179	103.4	76.8	62.4	53.4	46.8	42.0	38.2	35.3	28.6	21.2	17.1	12.63	10.11
1.70	176	101.9	75.7	61.5	52.7	46.1	41.4	37.6	34.8	28.2	20.9	16.9	12.44	9.97
1.75	173	99.9	74.2	60.3	51.6	45.2	40.6	36.9	34.1	27.7	20.5	16.5	12.20	9.77
1.80	162	93.9	69.8	56.7	48.5	42.5	38.1	34.7	32.0	26.0	19.3	15.5	11.47	9.19
1.85	152	87.9	65.3	53.1	45.4	39.8	35.7	32.4	30.0	24.3	18.0	14.6	10.73	8.60

Discharge characteristic (25°C)



Cycle service life in relation to depth of discharge

