Unlimited Power
ROCKET BATTERY
Since 1952

Global Battery Co. Ltd, South Korea
formerly known as Global & Yuasa Co. Ltd.

ES 9-12

12V - 9Ah

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 Baterries. This feature ensures safe & efficient operation of ROCKET batteries in any position.

SPECIFICATION

Nominal Voltage		12V
Capacity (20HR, 25°C)		9Ah
Dimension	Length	151mm (5.95inch)
	Width	65mm (2.56inch)
	Height	94.5mm (3.72inch)
	Total Height	100mm (3.94inch)
Approx Weight		2.75kg (6.06lbs)
Design Life		7 Years

CHARACTERISTICS

Capacity 25°C (77°F)	20hR(0.45A,10.5V)	9Ah
	10hR(0.86A,10.5V)	8.6Ah
	5hR(1.57A,10.5V)	7.85Ah
	1hR(6.66A,9.60V)	6.66Ah
Internal resistance (Fully charge, 25°C)		11mΩ
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)135A(5 Sec.)
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 13.5-13.8V
		Temp. compensation - 20mV/°C

TECHNICAL FEATURES

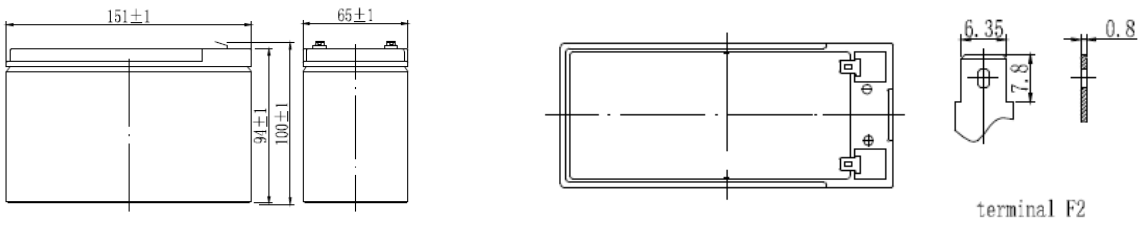
- Non-Spillable Sealed Construction
- Absorptive Glass Mat System (AGM System)
- ABS (Acrylonitrile Butadiene Styrene) container and cover
- Micro millimeter SiO_2 and H_2SO_4 gelled electrolyte technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Maintenance-Free Operation
- Low Pressure Venting System
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Low Self-Discharge - Long Shelf Life
- Wide Operating Temperature Range

COMPLAINTS STANDARD

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

APPLICATIONS

- UPS
- Telecom Communication Equipments
- Medical Instruments
- Computer Backup
- Solar Powered Systems.
- Motive power applications, such as golf trailer, scrubber, forklift, etc.



We have option of terminals with 4.75mm / 6.3mm

Version : IN01ES26

ES 9-12

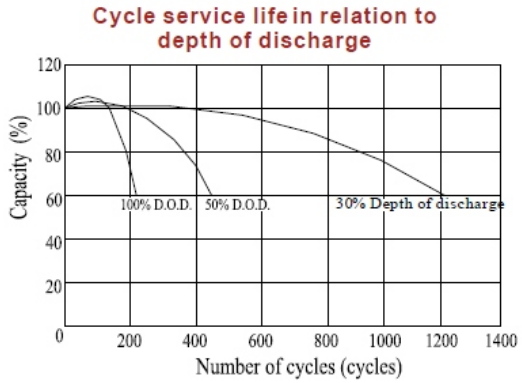
12V - 9Ah

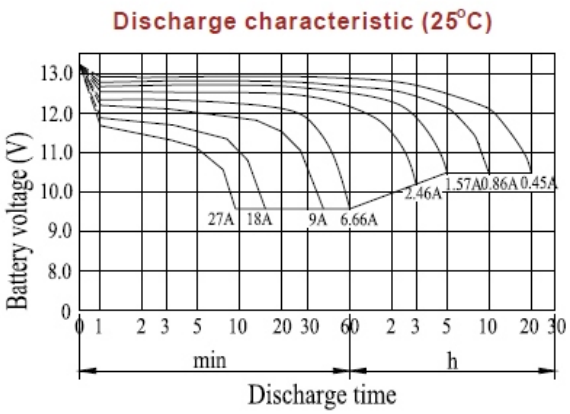
CONSTANT CURRENT DISCHARGE (Amperes) at 25°C

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	36.1	25.2	19.3	11.6	6.66	2.59	1.62	0.88	0.47
1.65V	34.6	24.3	18.5	11.1	6.42	2.53	1.61	0.87	0.47
1.70V	33.1	23.3	17.7	10.5	6.18	2.46	1.59	0.87	0.46
1.75V	31.6	22.2	16.9	9.86	5.94	2.39	1.57	0.86	0.45
1.80V	30	21.2	16.1	9.21	5.68	2.32	1.55	0.85	0.44

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

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	74.1	47.2	35.1	21.5	15.9	12.4	6.85	4.84	3.27
1.65V	70.5	45.6	34	20.8	15.3	12	6.72	4.79	3.24
1.70V	66.9	43.9	32.9	20	14.7	11.5	6.59	4.74	3.21
1.75V	63.3	42.2	31.8	19.2	14.1	11	6.46	4.69	3.18
1.80V	59.7	40.5	30.7	18.4	13.5	10.5	6.32	4.64	3.15





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