

ESC 150-12

AGM-VRLA 12V-150Ah

INTRODUCTION

The ESC 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
- 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

COMPLIANCE STANDARDS

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

SPECIFICATIONS

Nominal Voltage		12V
Capacity (20HR, 25°C)		150Ah
Dimensions	Length	483mm
	Width	170mm
	Height	240mm
	Total Height	240mm
Approx Weight		45.4kg
Design Life @ 25°C		10 Years

CHARACTERISTICS

Capacity		150Ah
Internal Resistance (Fully Charge, 25°C)		4.8mΩ
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		1500A (5sec)
Maximum Charging current		45A
Charge Methods (Constant Voltage Charge 77°F (25°C) - Cyclic Use		Cycle Use 14.4V to 15.0V Temp. Compensation - 30mV/°C
Charge Methods (Constant Voltage Charge 77°F (25°C) - Standby Use		Standby Use 13.5 to 13.8V Temp. Compensation - 20mV/°C

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

F.V/TIME.	10min	15min	20min	30min	1hr	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	326	273	225	168	92.3	73.1	58.6	41.0	31.8	26.1	17.6	15.6	7.70
1.65V	320	267	219	162	88.6	72.1	57.9	40.6	31.5	25.9	17.5	15.5	7.68
1.67V	312	261	215	160	87.9	71.9	57.7	40.4	31.4	25.7	17.5	15.4	7.67
1.70V	297	250	207	156	86.9	71.6	57.5	40.3	31.3	25.7	17.4	15.4	7.62
1.75V	282	240	200	152	85.9	70.9	56.9	39.9	31.0	25.5	17.2	15.2	7.54
1.80V	252	219	185	143	84.0	69.9	56.1	39.3	30.5	25.1	17.0	15.1	7.42
1.85V	221	196	168	133	80.9	66.2	53.3	37.5	29.2	24.1	16.3	14.5	7.23

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

F.V/TIME.	10min	15min	20min	30min	1hr	1.5hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	598	501	431	324	183.2	145.2	116.7	82.0	63.8	52.5	35.5	31.5	15.5
1.65V	587	489	419	314	175.7	143.3	115.3	81.2	63.3	52.0	35.3	31.2	15.5
1.67V	573	479	412	309	174.3	143.0	115.0	80.8	63.2	51.8	35.2	31.2	15.5
1.70V	544	459	397	301	172.5	142.3	114.5	80.5	62.8	51.7	35.0	31.0	15.4
1.75V	517	440	383	293	170.5	141.0	113.3	79.7	62.2	51.2	34.7	30.7	15.2
1.80V	462	401	354	276	166.5	139.0	111.7	78.5	61.3	50.3	34.2	30.3	15.0
1.85V	405	359	322	257	160.5	131.7	106.2	75.0	58.7	48.3	32.8	29.3	14.6

