

# ESC 100-12

## AGM-VRLA 12V - 100Ah

### 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
- 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**

Nomi	nal Voltage	12V		
	Length	330mm		
Dimensions	Width	173mm		
Dimensions	Height	221mm		
	Total Height	221mm		
Аррі	rox Weight	29.8kg		
De	sign Life	10 Years		

#### **CHARACTERISTICS**

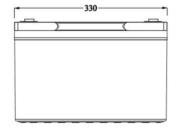
Сарс	100Ah			
Interno (Fully C	Approx.4.5mΩ			
Self Discharge (27°C)	1 month	Remaining Capacity: 97%		
Operating Te	-15°C ~ 40°C			
Maximum I	765A (5sec)			
Maximum	25.5A			
Charge Methods (	Constant Voltage Charge	Cycle Use 14.2 to 14.9V		
80.6°F (27°C) - Cyclic Use		Temp. Compensation - 30mV/°C		
Charge Methods (	Constant Voltage Charge	Standby Use 13.5 to 13.8V		
	80.6°F - Standby Use	Temp. Compensation - 20mV/°C		

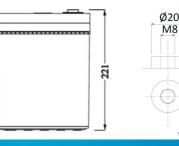
#### **CONSTANT CURRENT DISCHARGE CHARACTERISTICS UNIT: (Amperes) at 25°C**

F.V/Time	5Min	10Min	15Min	30Min	1HR	3HR	5HR	10HR	20HR
1.60V	261	179	147	87	52	21	15	9	5
1.70V	219	162	139	85	51	21	15	8	4
1.75V	206	157	136	78	51	20	14	8	4
1.80V	173	147	116	77	49	19	14	8	4

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

F.V/Time	5Min	10Min	15Min	30Min	1HR	3HR	5HR	10HR	20HR
1.60V	423	318	273	176	103	43	30	17	9
1.70V	405	308	267	175	101	41	29	16	9
1.75V	387	300	261	173	100	41	29	16	8
1.80V	360	291	255	170	99	40	29	16	8





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