EV Traction Dry Cell Industrial Battery Block - 115Ah

Product Code: **FSBDAGMT115**
Barcode: **6002844080303**

- Maintenance-Free Clean & Green choice of Original Equipment manufactors.
- Traction heavy duty grid design (PbCaSn) gives consistent active material adhension and corrosion resistance.
- High impact reinforced compolymer and polpropylene cases with flat top designs.
- A recognized gas recombination efficieny of greater than 99.9%.
- Multiple terminal, configuration options and carrying handles available with most models.
- Classified as a non-spilable battery and is not restricted for transportation by:
  - Air (IATA/ICAO provision 67)
  - Surface (DOT-CFR-HMR49)
  - Water (per IMDG amendment 27)
- Compatible with sensitive electronic equipment.
- Comprehensive deisgn to conserve resources, improve safety and reduce waste. 98% recycable.

EV Traction Dry Cell Industrial Battery Block

Discover EV series industrial batteries provide superior high integrity reliability for commercial, industrial and private applications. The maintenance-free, thick plate construction, designed for tough applications and repeated deep discharging makes the EV series the definitive choice for robust traction applications including Home Medical Equipment (HME), Electric Vehicle, Automated Guided Vehicles (AGV), aerial lifts, floor cleaning equipment, robotics, materials handling, renewable energy and marine / RV applications.

PACKAGE DIMENSIONS

Height (mm)	Depth (mm)	Width (mm)	Weight (kg)
216	330	172	33

TECHNICAL INFORMATION

Specifications:

Mechanical		
Terminal	AM (F10-M8)	
Cell (S)	6	
Electrolyte	1.2875 S.G.	AGM
Electrical		
Voltage	12V	
80% DOD Voltage Cutoff	11.4V	
Internal Resistance	3.40 mΩ	
Short Circuit (20°C)	3270 A	
Self Discharge	Less than 3% per month (20˚C)	
Cracking Amps	940 @ 0˚C	785 @ -18˚C
Charge Tempreture	Min: -10˚C	Max: 50˚C
Discharge Tempreture	Min: -20˚C	Max: 50˚C
Storage	Min: -20˚C	Max: 60˚C

THE PACKAGE CONTAINS

1 x EV Traction Dry Cell Industrial Battery Block

Product Certificates*

Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards, including:
IEC60896-21/22; BS EN 60254-1:2005; AS/NZS 4029.2.2000
Discover and its facilities and products are certified to multiple standards. ISO, UL, QS and TUV standards; ETTS Germany; Euro Bat classification for Environmental Stewardship Standards

Amp Hours (AH)						Minutes of Discharge				
100 HR	20 HR	10 HR	5 HR	3 HR	1 HR	@25A	@56A	@75A	@85A	@100A
132	115	110	96	88	72	235	89	63	52	42

Maximum Current	Peak (5 seconds)	Peak (10 seconds)	Continuous	Recommended Continuous
Charge	1C10Hr	0.75C10Hr	0.5C10Hr	0.3C10Hr
Discharge	2C10Hr	1.5C10Hr	1C10Hr	0.5C10Hr

FSBDAGMT115

www.elliesrenewable.co.za

ELLIES RENEWABLE ENERGY

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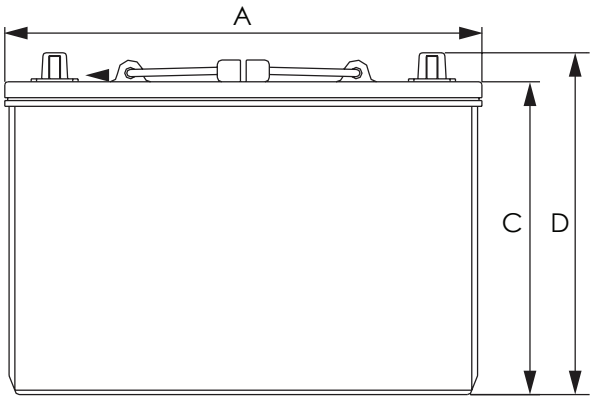
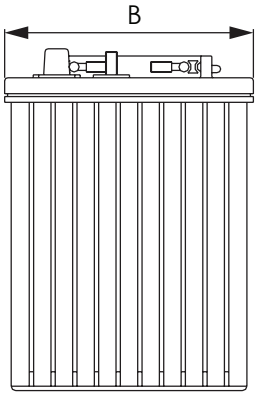
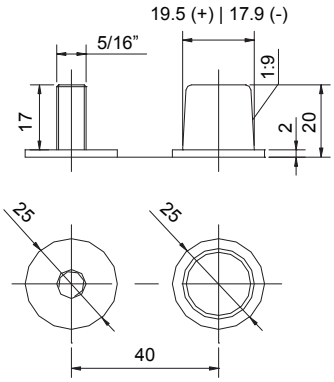
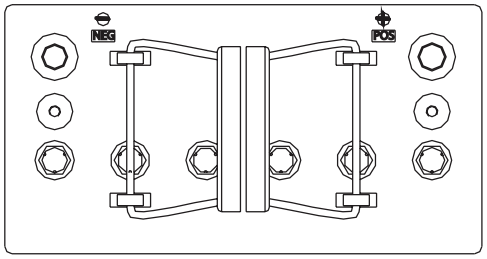
MECHANICAL DRAWINGS



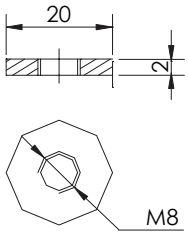


Terminal (AM)



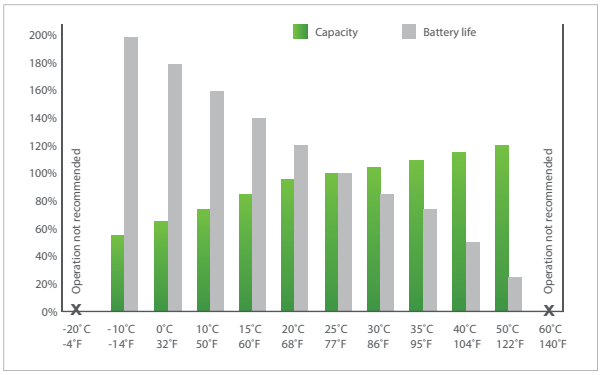


Optional Terminal (F10-M8)

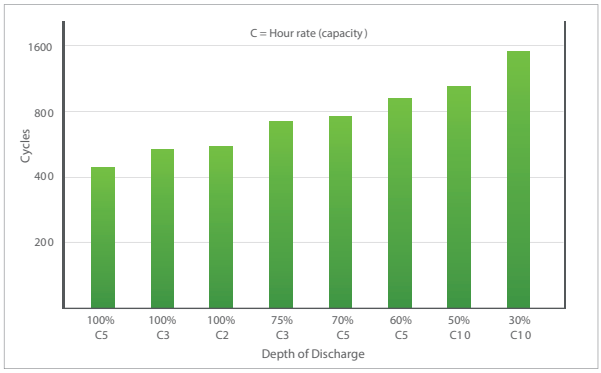


Graphs

TEMPERATURE EFFECTS ON CAPACITY



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE (25˚C)



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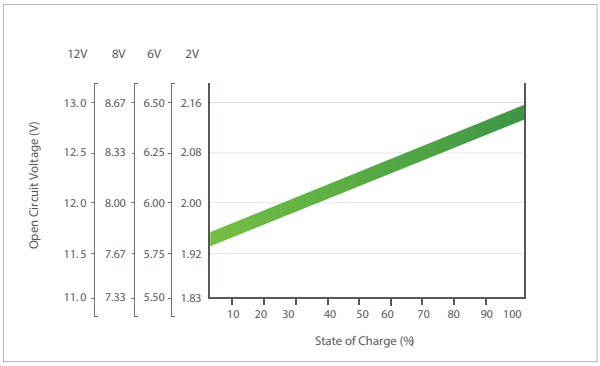
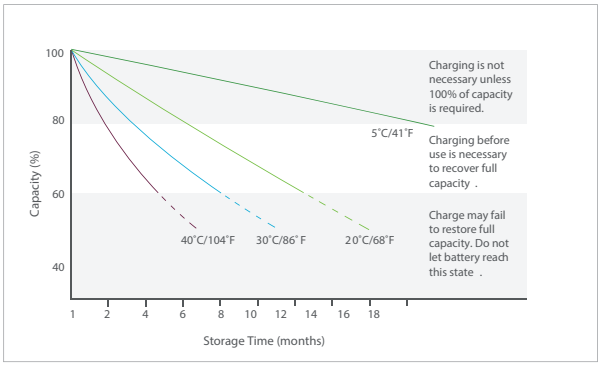
Graphs

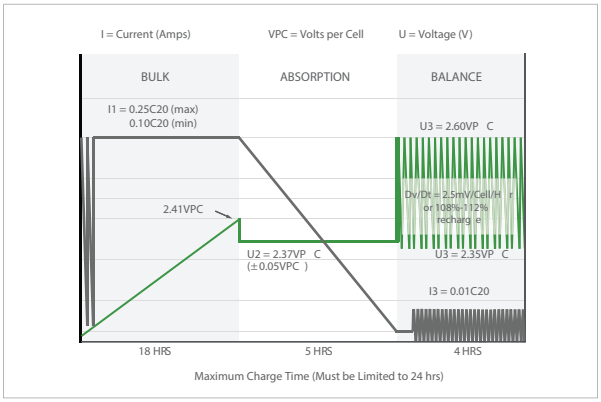
OPEN CIRCUIT VOLTAGE IN RELATION TO THE STATE OF CHARGE (20˚C)



SELF-DISCHARGE CHARACTERISTICS



IUI WITH PULSE TERMINATION CHARGE PROFILE



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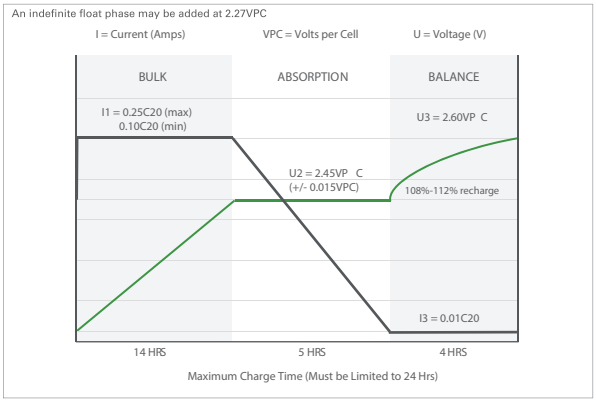
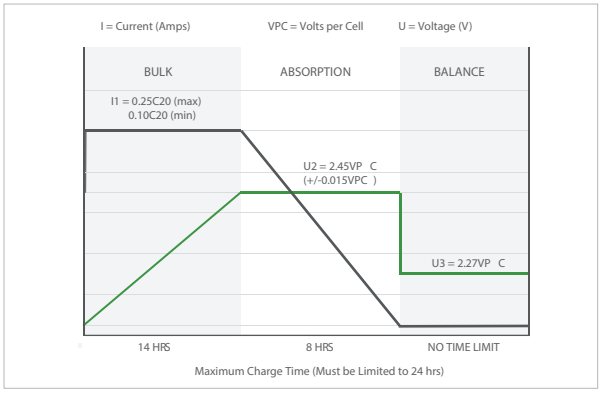


IUU CHARGE PROFILE



RELATION BETWEEN CHARGING, VOLTAGE AND TEMPERATURE