Tescom HELLAS

# EnerRocket 12V 100Ah batteries

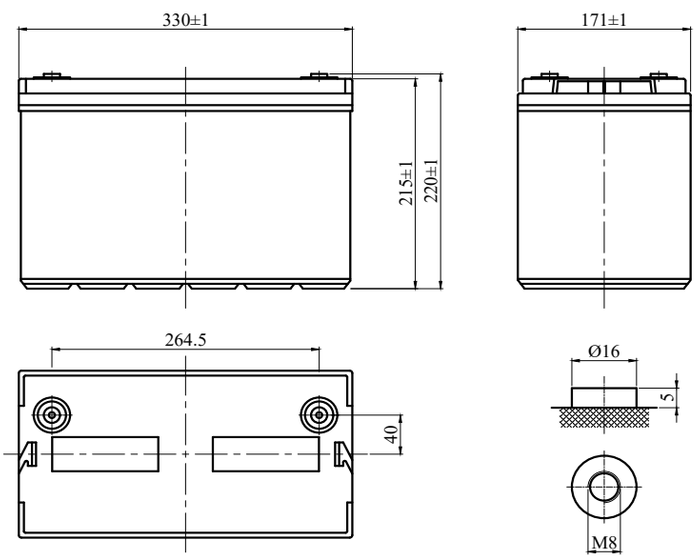
EnerRocket®
CONTINUOUSLY SAFEGUARDING

## APPLICATIONS

UPS Systems
Telecommunication Systems
Fire Alarm Safety & Security Systems
Medical Equipment

## COMPLIANCE STANDARDS

IEC 60896 PART 21 & 22




## TECHNICAL FEATURES

12 DESIGN LIFE · UL FR-V0 · ABS · TERMINAL DESIGN FOR HIGH CURRENT · LOW INTERNAL RESISTANCE · FAST CHARGING

- Non Spillable Sealed Construction
- Ab orptive Glass Mat System (AGM System)
- ABS ( crylonitrile Butadiene Styrene) construction
- Gas Recombination
- Venting System for low internal pressure
- Low Self-Discharge
- Heavy-Duty, Highly Optimized Grids
- High Power Output

## SPECIFICATIONS

| Length | Width | Height | Total Height | Weight (kg) |
|---|---|---|---|---|
| 330mm | 171mm | 215mm | 220mm | 28.0 ± |

## CHARACTERISTICS

| | | |
|---|---|---|
| Nominal Voltage | 12 V | |
| Design Life | 12 Years | |
| Capacity ( °C) | 10 Hour rate | 100Ah |
| Internal Resistance (25°C, 100% Charge) | | ≤5.7 mΩ |
| Self Discharge (20°C) | 1 Month | Remaining Capacity 97% |
| Operating Temperature | Discha ge | -20°C - 60°C |
| | Charge | -10°C - 60°C |
| | Storage | -20°C - 60°C |
| Normal Operating Temperature | | 25°C ± 3°C |
| Maximum Discharge current (25°C) | | 500A 5sec) |
| Maximum Charging current (25°C) | | 30A |
| Short Circuit Current | | 2100 |
| Charge Methods Constant Voltage Charge 77°F (25°C) - Cycle use | | 14.4 to 14.7 V |
| | | Temp. Compensation -30mV/°C |
| Charge methods Constant Voltage Charge 77°F (25°C) - Stan y Use | | 13.4 to 13.8V |
| | | Temp. Compensation -20mV/°C |

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

| End Voltage Volts/Cell | 15min | 20min | 30min | 1h | 1.5h | 2h | 3h | 4h |
|---|---|---|---|---|---|---|---|---|
| 1.60 | 173 | 110 | 98.9 | 61.0 | 45.3 | 35.0 | 25.1 | 22.4 |
| 1.65 | 164 | 101 | 95.0 | 60.6 | 44.0 | 33.6 | 24.6 | 21.8 |
| 1.70 | 156 | 97 | 92.2 | 59.7 | 42.7 | 32.3 | 24.1 | 21.5 |
| 1.75 | 145 | 93 | 89.3 | 58.9 | 41.4 | 31.3 | 23.5 | 21.0 |
| 1.80 | 136 | 89 | 87.4 | 57.1 | 40.1 | 30.7 | 22.8 | 20.2 |

### CONSTANT POWER DISCHARGE (Watts) AT 25°C

| End Voltage Volts/Cell | 15min | 20min | 30min | 1h | 1.5h | 2h | 3h | 4h |
|---|---|---|---|---|---|---|---|---|
| 1.60 | 304 | 202 | 198 | 119 | 84.3 | 68.2 | 48.4 | 41.9 |
| 1.65 | 299 | 195 | 187 | 117 | 82.7 | 67.0 | 47.8 | 40.8 |
| 1.70 | 290 | 190 | 182 | 116 | 80.2 | 65.8 | 47.3 | 40.0 |
| 1.75 | 279 | 183 | 176 | 112 | 78.2 | 64.6 | 46.7 | 38.1 |
| 1.80 | 270 | 178 | 170 | 109 | 76.3 | 63.9 | 45.9 | 37.4 |


Tescom HELLAS
Βόλου 7, 183 46 Μοσχάτο
Volou 7, 18 346, Moschato, Greece
+30 210 9590080
info@tescom-ups.gr
www.tescom-ups.gr

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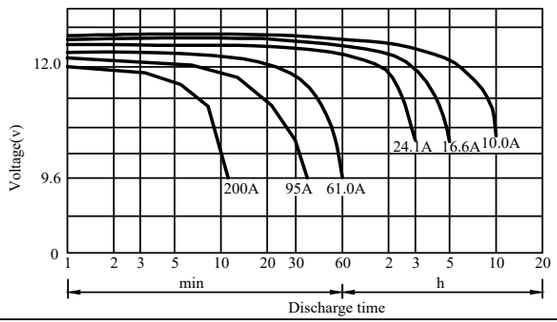
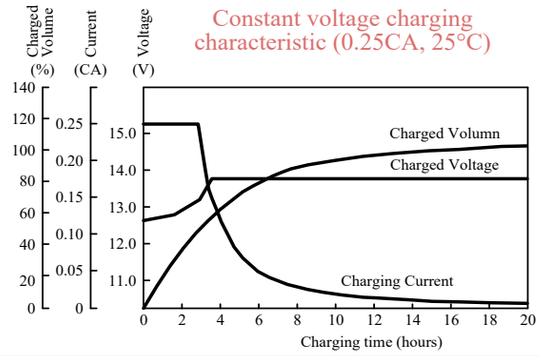
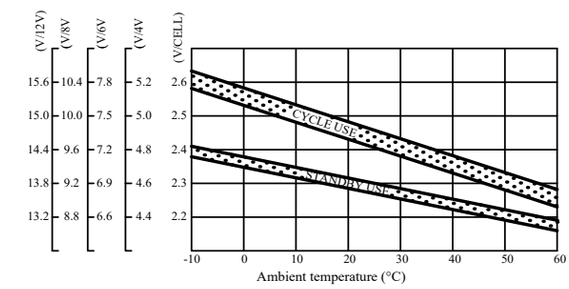
## Discharge characteristic (25°C)



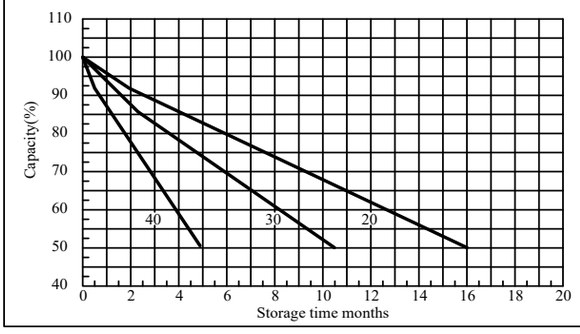

## Constant voltage charging characteristic (0.25CA, 25°C)



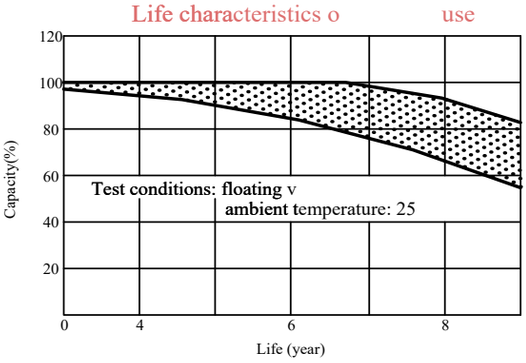

## Relationship between charging voltage and temperature



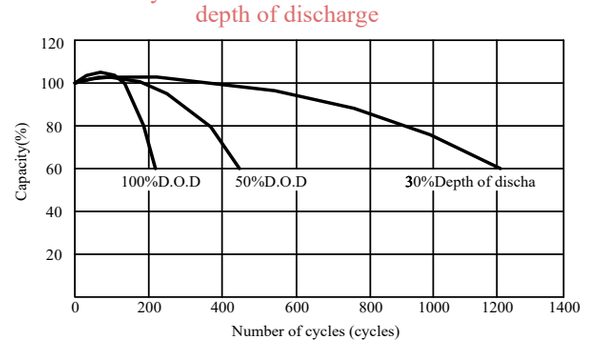

## Self-discharge characteristic



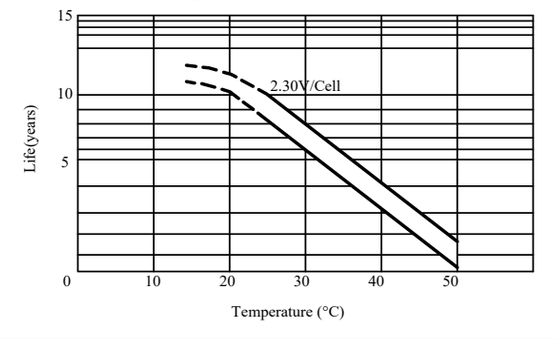

## Life characteristics o use



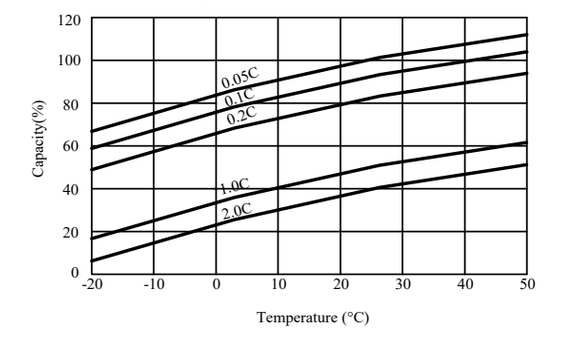

## Cycle service life in relation to depth of discharge




## Temperature e




## Temperat




Note:
GPSGC reserves the right to make changes to the above values without any notice.
All data and discharge characteristics are average values based on actual discharge cycle tests performed and not minimum values.


Tescom HELLAS
Βόλου 7, 183 46 Μοσχάτο
Volou 7, 18 346, Moschato, Greece
+30 210 9590080
info@tescom-ups.gr
www.tescom-ups.gr