

# Eaton 12V 280W Battery



## Features

- UL-recognized components under UL924 and certified by ISO 9001 and ISO 14001
- Specially designed for high power density and long life applications
- Small volume, lightweight high discharge efficiency
- Can be used for more than 260 cycles at 100% discharge in cycle service
- Analytical Grade electrolyte
- Low self-discharge
- Built to comply with IEC 896-2, DIN 473534, BS 6290 Pt4, Eurobat
- Exclusive three-year battery parts coverage and one-year battery labor coverage

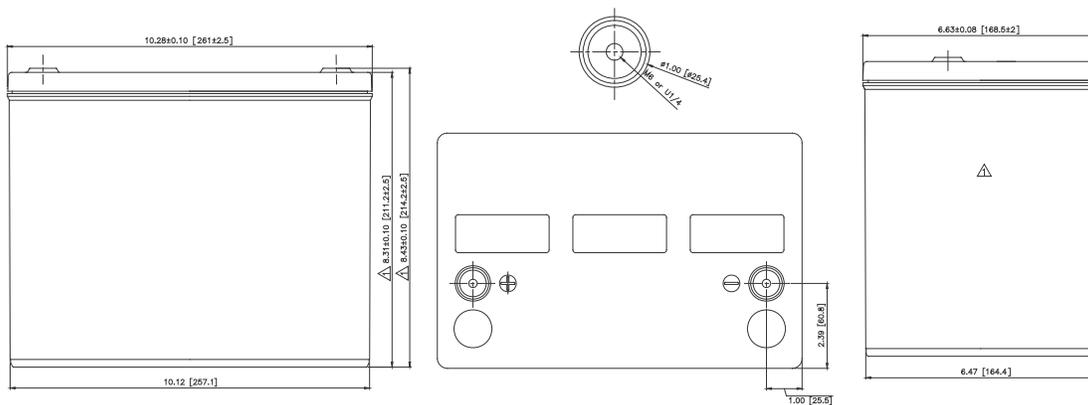
## CONSTANT POWER DISCHARGE CHARACTERISTICS: WATTS/CELL (77°F, 25°C)

End point volts/cell	5 min	10 min	15 min	20 min	30 min	40 min	45 min	50 min	60 min	90 min
1.85V	336	276	235	202	156	127	116	106	92	67
1.80V	388	300	249	212	163	134	123	113	97	70
1.75V	436	326	263	221	171	139	130	117	100	73
1.70V	480	350	274	231	177	144	132	121	103	76
1.67V	506	361	283	236	180	146	134	123	106	78
1.60V	559	384	298	246	185	148	137	127	108	81

All mentioned values are average values per battery per cell.

Tolerance: X < 6 min (+15% ~ -15%), 6 min X < 10 min (+12% ~ -12%), 10 min X < 60 min (+8% ~ -8%), X 60 min (+5% ~ -5%)

## DIMENSIONS [H x W x D, in (mm)]



Powering Business Worldwide

# Technical specifications

Cells per unit	6
Voltage per unit	12
Capacity	280W @ 15-minute rate to 1.67V per cell @ 77°F (25°C)
Weight	Approximately 59.6 lb (27.1 kg)
Maximum discharge current	800A (5 sec)
Internal resistance	Approximately 4.5 mΩ
Operating temperature range	Discharge: 5°F~122°F (-15°C~50°C) Charge: 5°F~104°F (-15°C~40°C) Storage: 5°F~104°F (-15°C~40°C)
Nominal operating temperature range	77°F ± 5°F (25°C ± 3°C)
Float charging voltage	13.5 to 13.8 Vdc/unit Average at 77°F (25°C)
Recommended maximum charging current limit	28A
Equalization and cycle service	14.4 to 15.0 Vdc/unit Average at 77°F (25°C)
Self discharge	Batteries can be stored for six months at 77°F (25°C). Please charge batteries before using. For higher temperatures the time interval will be shorter. Voltage test prior to battery installation is recommended.
Terminal	12-thread lead alloy recessed terminal to accept M6 bolt
Container material	Polypropylene UL94-V0/File E50955 Flammability resistance of UL94-HB/File E216959 is available upon request.



PowerChain Management®

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