

# Eaton 12V 27W Battery



### Features

- Designed for high power density applications
- Small volume, lightweight and high discharge efficiency
- Can be used for more than 260 cycles at 100% discharge in cycle service
- UL-recognized components under UL924 and certified by ISO 9001 and ISO 14001
- Exclusive two-year battery parts coverage and one-year battery labor coverage

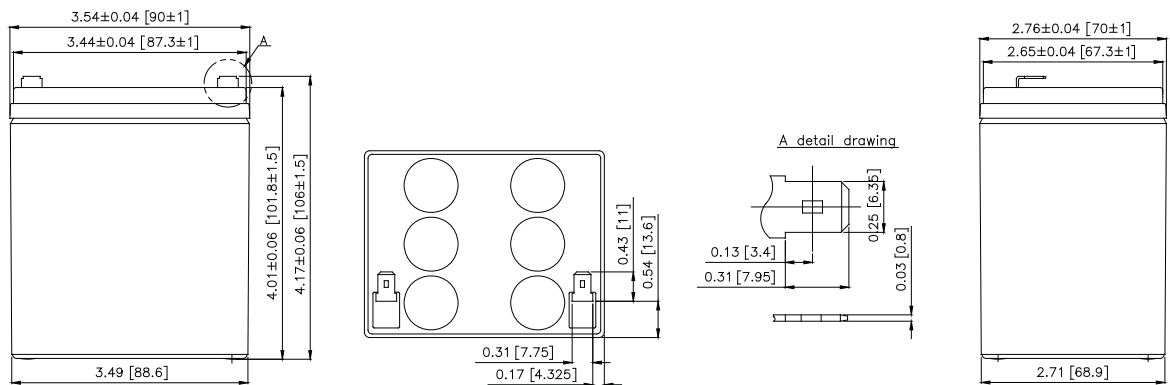
### CONSTANT POWER DISCHARGE CHARACTERISTICS: WATTS/CELL (77°F, 25°C)

End point volts/cell	2 min	4 min	6 min	8 min	10 min	15 min	20 min	30 min	60 min	90 min
1.85V	63	48	40	35	31	24	19	14	8	6
1.80V	67	52	43	36	32	26	20	15	9	6
1.75V	71	55	45	38	33	26	21	15	9	6
1.70V	76	58	47	39	34	27	21	15	9	6
1.67V	78	60	48	40	35	27	21	15	9	6
1.60V	84	64	51	42	37	27	21	15	9	6

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	27W @ 15-minute rate to 1.67V per cell @ 77°F (25°C)
Weight	Approximately 4.34 lb (1.97 kg)
Maximum discharge current	130A (5 sec)
Internal resistance	Approximately 19 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	2.7A
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	F2- Faston Tab 250
Container material	ABS UL94-HB/File E50263 Flammability resistance of UL94-V0/File E88637 is available upon request.



PowerChain Management®

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Norway: 47.23.03.65.50  
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