

DESCRIPTION: 75AH 12V Deep Cycle Battery

PRODUCT CODE: FXBATDC75AH12V

TECHNOLOGY:

- Sealed Lead Acid (SLA)
- Made with AGM & GEL Technology
- Valve Regulated Lead Acid (VRLA) and Sealed Maintenance Free (SMF)
- Complies with IEC60896-21/22, IEC61056-1/2

MAIN FEATURES:

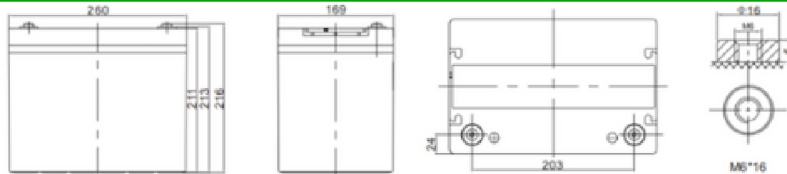
- Innovative battery plate design delivering a Deep Discharge
- Greater re-charge performance
- Low self-discharge, internal resistance and internal pressure
- Chemical plate advancements delivering a longer battery life

MAIN APPLICATION:

- Commercial UPS and critical power backup
- Telecom & Towers power assurance
- Medical power assurance
- Fire, emergency & security alarm systems
- Industrial battery & power reserve
- Solar power products
- Deep cycle discharge
- All general purpose



SPECIFICATIONS:



| Model | FXBATDC75AH12V | | IR Max | Dimensions (mm+/-2) | | | | Weight | Terminal | |
|-------------|-------------------------|--------------|-----------|---------------------|-------|--------|--------------|----------|----------|-----------|
| Voltage (V) | Nominal Capacity (25°C) | | mΩ (25°C) | Length | Width | Height | Total Height | Kgs +-5% | L4 | T4 |
| 12 | 80Ah | 10Hr (10.8v) | 6 | 260 | 168 | 213 | 216 | 23.5 | | M16*6 |

| Capacity Range (25°C) | 20Hr (10.8v) | 5Hr (10.2v) | 3Hr (9.6v) | 1HR (9.6v) | Designed Life (25°C) | OP Temp. | Electrolyte | Case | Sealing |
|-----------------------|--------------|-------------|------------|------------|----------------------|---------------------------|-------------|------|-------------|
| | | 85.6Ah | 62.4Ah | 53.6Ah | 46.4Ah | 12 Years (Float Charging) | -20°C-60°C | Gek | ABS Plastic |

| Max. Current (A) | | Charge Voltage | | Self-discharge | | Capacity Effected by Temp. @20Hr | | | |
|------------------|-----------|----------------|-----------------------|-----------------|--|----------------------------------|------|-----|-------|
| Charge | Discharge | Float Use | 13.5-13.8V (-18mV/°C) | Per month @25°C | | 40°C | 25°C | 0°C | -15°C |
| 16A | 800A (5s) | Cycle Use | 14.1-14.4V (-30mV/°C) | 3% | | 102% | 100% | 85% | 65% |

Constant Current (A) Discharge / CCD @25°C

| End V./VPC | 5min | 10min | 15min | 30min | 60min | 2hr | 3hr | 5hr | 10hr | 20hr |
|-------------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|
| 9.60 / 1.60 | 256.90 | 174.80 | 119.66 | 72.77 | 44.59 | 27.83 | 21.63 | 14.42 | 7.95 | 4.16 |
| 9.90 / 1.65 | 245.90 | 167.30 | 114.56 | 69.67 | 42.69 | 26.64 | 20.71 | 13.81 | 7.84 | 4.10 |
| 10.2 / 1.70 | 240.10 | 163.30 | 111.83 | 68.01 | 41.67 | 26.01 | 20.22 | 13.48 | 7.73 | 4.04 |
| 10.5 / 1.75 | 234.20 | 159.30 | 109.10 | 66.35 | 40.65 | 25.37 | 19.72 | 13.15 | 7.61 | 3.99 |
| 10.8 / 1.80 | 232.30 | 158.00 | 108.19 | 65.79 | 40.31 | 25.16 | 19.56 | 13.04 | 7.50 | 3.93 |

Constant Power (Watt) Discharge / CCD @25°C

| End V./VPC | 5min | 10min | 15min | 30min | 60min | 2hr | 3hr | 5hr | 10hr | 20hr |
|-------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|------|
| 9.60 / 1.60 | 534.30 | 363.50 | 248.90 | 151.40 | 92.74 | 57.88 | 45.00 | 30.00 | 16.54 | 8.66 |
| 9.90 / 1.65 | 511.60 | 348.00 | 242.00 | 144.90 | 88.79 | 55.41 | 43.08 | 28.72 | 16.30 | 8.54 |
| 10.2 / 1.70 | 499.40 | 339.70 | 232.60 | 141.50 | 86.67 | 54.09 | 42.05 | 28.04 | 16.07 | 8.41 |
| 10.5 / 1.75 | 487.20 | 331.40 | 226.90 | 138.00 | 84.56 | 52.77 | 41.03 | 27.35 | 15.83 | 8.29 |
| 10.8 / 1.80 | 483.10 | 328.70 | 225.00 | 136.80 | 83.85 | 52.33 | 40.68 | 27.12 | 15.60 | 8.17 |

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