

ECU60-DALI & ECU240-DALI

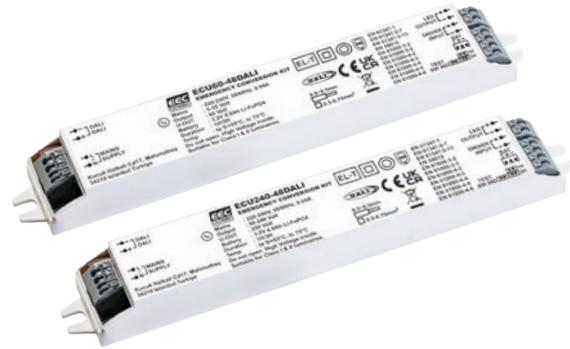


ECU60-DALI & ECU240-DALI

Series
Emergency Conversion Kits

General Specifications

- Self contained DALI-2 type emergency lighting LED driver for luminaire installation.
- Supplied with Li-FePO4 batteries.
- Slim design 21x30mm cross section.
- Selectable 1/ 3 hours emergency duration.
- Manufactured to comply with EN61347 Series.
- Non-maintained operating mode.
- ECU60 models are suitable for LED modules with the forward voltage of 10-55 Volt.
- ECU240 models are suitable for LED modules with the forward voltage of 50-240 Volt.
- Easy installation.
- 5 years guarantee. (battery 5 years)



Technical Specifications

| | |
|-----------------------------|---|
| Rated Supply Voltage | 220-240 Volt AC, 50/60 Hz |
| AC Voltage range | 185-265 Volt AC, 50/60 Hz |
| Power Consumption | max 5W |
| Output Voltage | ECU60xxx 10-55 Volt DC, ECU240xxx 50-240 Volt DC |
| Max Output Voltage (U-OUT) | ECU60xxx 60 Volt, ECU240xxx 250 Volt |
| Output Power | See table |
| Output Power tolerance | ± 10 % |
| Mains / emergency threshold | According to EN 60598-2-22 |
| Charge / Fault Indicator | Green LED lamp (with 300mm cable) Red LED lamp (battery disconnection) |
| Emergency Duration | Selectable 1/ 3 hours |
| Operating Mode | Non-maintained |
| Insulation Class | Class II (no earth wiring required) |
| Protection Class | IP20 |
| Ambient Temperature | ta 0-55°C, tc 75°C |
| Terminals | 0.5 to 1.5mm quick fit terminal block |
| Enclosure | White polycarbonate housing |

Ordering Details

| Code | Output | Battery | Power Output @1H | Power Output @3H |
|---------------|-------------|--------------|------------------|------------------|
| ECU60-16DALI | 5-55 Volt | 3.2V - 1.6Ah | Up to 2.6W | Up to 1.0W |
| ECU60-32DALI | | 3.2V - 3.2Ah | Up to 4.3W | Up to 1.8W |
| ECU60-38DALI | | 3.2V - 3.8Ah | Up to 4.4W | Up to 2.2W |
| ECU60-48DALI | | 3.2V - 4.8Ah | Up to 4.4W | Up to 2.8W |
| ECU60-64DALI | | 3.2V - 6.4Ah | Up to 4.4W | Up to 3.6W |
| ECU60-76DALI | | 3.2V - 7.6Ah | - | Up to 4.4W |
| ECU240-16DALI | 50-240 Volt | 3.2V - 1.6Ah | Up to 2.6W | Up to 1.0W |
| ECU240-32DALI | | 3.2V - 3.2Ah | Up to 4.6W | Up to 1.9W |
| ECU240-38DALI | | 3.2V - 3.8Ah | Up to 4.8W | Up to 2.3W |
| ECU240-48DALI | | 3.2V - 4.8Ah | Up to 4.8W | Up to 3.0W |
| ECU240-64DALI | | 3.2V - 6.4Ah | Up to 4.8W | Up to 3.8W |
| ECU240-76DALI | | 3.2V - 7.6Ah | - | Up to 4.8W |

Li-FePO4 Batteries & Battery Management

- Multi level smart charge system.
- Integrated open / short circuit protection.
- Integrated low / high temperature protection.
- Integrated overcharge / overdischarge protection.
- Integrated deep discharge protection.
- Polarity reversal protection for battery provided by 3-pole connector.
- Up to 10 year design life.

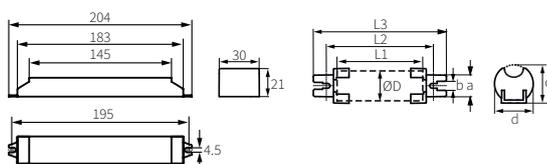
Standards

- EN 61347-1
- EN 61347-2-7
- EN 61347-2-13
- EN 55015
- EN 61000-3-2
- EN 61547
- IEC 62133-2 (related to battery)
- IEC 62620 (related to battery)
- According to EN 60598-2-22
- According to EN 1838
- According to EN 50172

| Code | Voltage | Capacity | Configuration | ØD | L1 | L2 | L3 | a | b | c | d |
|------------------|----------|----------|------------------|----|-----|-----------|-----|----|-----|----|----|
| BAT-HT32-1600LFL | 3.2 Volt | 1.6 Ah | 1x18650 | 19 | 66 | 78 ~ 81 | 96 | 15 | 3~4 | 23 | 22 |
| BAT-HT32-3200LFL | 3.2 Volt | 3.2 Ah | Parallel 2x18650 | 19 | 132 | 144 ~ 147 | 162 | 15 | 3~4 | 23 | 22 |
| BAT-HT32-3800LFL | 3.2 Volt | 3.8 Ah | 1x26650 | 27 | 72 | 86 ~ 89 | 105 | 19 | 4 | 32 | 31 |
| BAT-HT32-4800LFL | 3.2 Volt | 4.8 Ah | Parallel 3x18650 | 19 | 198 | 210 ~ 213 | 228 | 15 | 3~4 | 23 | 22 |
| BAT-HT32-6400LFL | 3.2 Volt | 6.4 Ah | Parallel 4x18650 | 19 | 264 | 276 ~ 279 | 294 | 15 | 3~4 | 23 | 22 |
| BAT-HT32-7600LFL | 3.2 Volt | 7.6 Ah | Parallel 2x26650 | 27 | 144 | 158 ~ 161 | 177 | 19 | 4 | 32 | 31 |

(*) Supplied with 200mm cable connector set

Dimensions (mm)



Wiring

