

# ECU60 & ECU240



# ECU60 & ECU240 Series

## Emergency Conversion Kits

### General Specifications

- Self contained 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 3W
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 0-50°C, tc 70°C
Terminals	0.5 to 1.5mm quick fit terminal block
Enclosure	White polycarbonate housing

### 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.

### Ordering Details

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

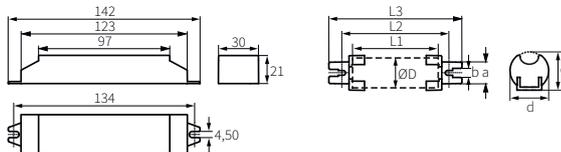
### Standards

- 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

