



# Lithium-ion battery kit

The new Lithium polymer battery and charger kit can be used for all Modular and Dynamic Series' products to enhance product performances.

### Best product performances:

- Extended run time (up to 28 hours for the Modular series and to 16 hours for the Dynamic series)
- Maximum run time ensured even at low temperatures
- Best performance ensured even after 500 charge/discharge cycles
- Recharge time reduced by approximately 40%

### ULC Universal Lithium Charger




Battery charger ULC928 is used to recharge Autec's Lithium polymer batteries (LPM02). It is provided with a universal power supply unit with wide power supply range (100-260Vac 50-60Hz with different international plugs, or 9-30Vdc with vehicle adapter).

Battery charger ULC928 complies with EMC Directive 2004/108/EC and LVD Directive 2006/95/EC.



## Operation

The battery charger has an LED indicating the battery charger's status (e.g. charging status, battery presence, recharging, end of recharge) and troubleshooting (e.g. power supply, damaged battery, damaged battery charger).

LED STATUS	ICON	MEANING
Slow Blink		Battery charger is powered but no battery is present
Steady on		Battery is being charged
Fast blink		Battery is completely charged

## TECHNICAL DATA

Battery charger supply voltage	12 - 24Vdc 0.25-0.5A
Protection fuse (self-restore)	1.1A
External AC power supply unit voltage	100-240Vac 50-60Hz
Typical recharge time	approx. 2h 40m
Recharging temperature range	+5°C to +45°C / +41°F to +113°F
Protection degree	IP30
Dimensions	113 x 70 x 40mm / 4.45 x 2.76 x 1.57In

## LPM02 Lithium Polymer Module

Lithium polymer batteries use a different chemical technology than previous battery versions such as Nickel-Cadmium and Nickel-metal-hydride. They provide better performance while using the same amount of space.



### Advantages

- Extended run time (up to 28 hours for the Modular series and to 16 hours for the Dynamic series)
- Memory effects (typical of Ni-Cd batteries) no longer occur
- Risk of battery capacity loss is reduced even after long storage
- Frequent recharge does not cause battery wear, but helps prolong battery life
- Battery capacity is maintained even at low temperatures

## TECHNICAL DATA

Nominal voltage	7.4Vdc / 1400mAh
Operating temperature range	-20°C to +55°C / -4°F to +131°F
Warranted cycles	> 500
Protection degree	IP65
Weight	79g / 0.28oz

## PROVEN PROTECTION