



*Safer Vaping*

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# Technical Specifications

## **Energig EC-3101**

Professional Universal Charger  
for Li-ion / Ni-Mh / Ni-CD Batteries



## Main characteristics

- Charging and discharging of NiCd, NiMH or 3.6V - 3.7V Lithium ion batteries.
- Optimizing and determining the maximal capacity of the batteries
- Each battery slot has its own display to show the charging current, battery voltage, capacity, internal resistance and charging time.
- The charging current is selectable for each slot individually and can be selected from 200mA, 300mA, 500mA, 700mA and 1000mA (and when only slots 1 and 4 are being used, also 1500mA and 2000mA).
- Discharging current for NiMH/NiCd batteries is 700mA, even if 1000mA is selected.
- Discharging current for Li-ion batteries is 200mA, 300mA, 500mA, 700mA or 1000mA
- 4 smart charging slots, that function independently from each other.
- Charges simultaneously different batteries of different type, size and capacity.
- Trickle charging of NiMH / NiCd batteries. With Li-ion batteries charging will time-phased.
- Temperature monitoring with automatic fans, to protect the charger and the batteries from overheating.

<b>Operation Voltage</b>	12V DC	
<b>Power Adapter</b>	Input	100~240V~, 50/60Hz
	Output	12V DC, 3.0A
<b>Selectable Charging Currents (mA)</b>	200, 300, 500, 700, 1000, 1500, 2000	
<b>Selectable Discharging Currents (mA)</b>	200, 300, 500, 700 and 1000 (only li-ion)	
<b>Maximal Capacity (mAh)</b>	20,000	
<b>Operating Temperature</b>	0 - 40 °C	
<b>Voltage Deviation</b>	< 0.03V @ 4.2V	
<b>Current Power Deviation</b>	< 5%	

## Compatibility

### Compatible with a wide range of battery types and sizes:

**3.6V - 3.7V Li-ion / IMR / INR / ICR batteries in formats:** 10440, 14500, 14650, 16340, 17335, 17500, 17670, 18350, 18490, 18500, 18650, 18700, 20700, 21700, 22650, 25500, 26650, 32650

**Ni-MH / Ni-CD batteries in formats:** AAA, AA, A, SC, C