

1.2 Store 170 - Switchmode Battery Charger



The EXMODE AC/DC 1V-3V Switchmode rectifier is a highly integrated device suitable for charging rechargeable Nickel cadmium battery cells. The rectifier has an adjustable DC output from 1.4 to 3.3 volts which will cater for one or two cells.

Utilizing the latest planar magnetic technology, Exmode is encapsulated into an anodized aluminium U-Channel which doubles as a heat sink. A green output healthy LED and an output trim potentiometer are both located on the top of the unit.

Electronics Part # E01001

Dimensions: 340mm (L) x 195mm (W) x 60mm (H)
 Weight: 1.8 KG
 Mounting: 4 x 7mm x 10mm Mounting Holes
 Suitable for rack or wall mounting

Input Voltage: Range	100 - 130 VAC	Output Voltage Range:	1.4 - 3.3 VAC
Operating Current:	0.8A Max Load	Rated Current:	10 - 10.8Adc
External Input Fuse:		Load Regulation:	20 - 50 mV
Input Transient (1s):	140 VAC	Line Regulation Full Input :	20 - 50 mV
Transient Protection:	Internal 1.5kW Transorb	Output ripple & noise:	50 - 100 mV
Switching Frequency:	250 KHz	Current Limit:	10 - 10.8 Adc

Operating Temp:	-20 to +55 °C	Shock & Vibration	MIL-STD 810E
Cooling:	Natural convection Cooling		
Thermal Cutout:	105 °C		
Humidity:	95%		

1.2 Store 170 (Continued)

