

# EPS

# 2404



## GENERAL FEATURES

- ✍ **2 Stage charging cycle**
- ✍ **Suitable for batteries up to 34 AH in cyclic application**
- ✍ **Suitable for up to 50 AH in a standby or float application**
- ✍ **Fully Automatic Operation**
- ✍ **Compact and Light weight**
- ✍ **Fully overload protected (auto recovery)**
- ✍ **Simple LED charging indicator**

## INPUT

Input	90-260 VAC
Frequency	47-63Hz
Protection	Internal Primary
Isolation	Input-Output 3000VAC Input-Case 2500 VAC Output-Case 500 VAC
Safety	Designed to IEC 950
EMI-EMC Standard	FCC Class B, CE, C-Tick AS 3193
Input Connection	3 Core SAA Cable IEC

## MECHANICAL

Case Dimension	105L X 207W X 60H
Casing Material	Extruded Anodized Aluminum
Weight	1. Kg.
Cooling	Convection cooled
Warranty	12 Months

## ELECTRICAL

Topology	Switching DC Power
Efficiency	85%
Boost Charge Voltage	29.4VDC
Float Charge Voltage	27.6VDC
Output Charge Current	4 Amps
Ripple & Noise	150 mV
Line Regulation	+/- 0.5% Over Input Range
Load regulation	+/- 1% 0-100% Load
Rise Time	500 mS
Hold-up Time	20 mS@Nominal Output
Short Circuit Protection	Output Shutdown
Over Current Protection	Primary Power Limit
Reverse Polarity Protection	Internal Relay

## ENVIRONMENTAL

Operating Temp. Range	-5° to 50°C
Storage Temperature	-30°C to +85°C
Relative Humidity	10% to 90%
Altitude	0-3000m

## OPERATION

Plug in and switch on charger at the mains supply and then turn the charger's POWER switch on -- the charger is ready for connecting to the charging socket and/or batteries. **IMPORTANT!** This type of charger must be switched on before connecting to batteries. When the charging process begins, the green LED illuminates. After reaching approx. 80% charge, the green charging LED will cease to glow, **BUT LEAVE BATTERIES CONNECTED UNTIL READY FOR USE.** To check that battery is fully charged, turn off AC power or remove the charging connector for about 30 seconds then re-connect. The green LED should light momentarily then go out again. On this type of charger the battery may be left connected indefinitely as overcharging is impossible.