

Battery Charger

- | Wall-mount and desktop type available
- | Input, output connector according to customers' requirements
- | customers' designs are accepted



Key Specifications/Special Features:

- Features:
 - Universal input voltage
 - No load power consumption less than 1W
 - Single output
 - Pass LPS
 - Optional output connectors
 - Short-circuit protection
 - High efficiency and reliability
 - Compact low profile package
 - One year warranty
- Specifications:
 - Input voltage: 100 to 240V AC (limits: 90 to 264V AC)
 - Input frequency: 47 to 63Hz (limits: 47 to 440Hz)
 - Input current: 0.3A (rms) for 115V AC, 0.2A (rms) for 230V AC
 - Safety ground leakage current: 0.25mA maximum at 240V AC, 50Hz
 - Output voltage: 8 to 11V DC (?5% tolerance)
 - Output current: 1.80 to 1.36A
 - Output power range: 15W maximum
 - Ripple: 1% peak to peak maximum
 - Overvoltage protection:
 - yes (clamp by zener diode)
 - Overcurrent protection:
 - Yes (for primary referenced direct drive)
 - (Constant current series for secondary-referenced direct drive)
 - Temperature coefficient: all outputs ?0.04% degrees Celsius maximum
 - Transient response: recovering to 1% of final value within 500?S after a 25% step load change
 - Operating temperature: 0 to +40 degrees Celsius
 - Storage temperature: -40 to +85 degrees Celsius
 - Relative humidity: 5 to 95% non condensing
 - Derating: derated from 100% at +40 degrees Celsius linearly to 50% at 70 degrees Celsius

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- Efficiency: 65% minimum at full output
 - Hold-up time: 10ms minimum
 - Line regulation: ?1% maximum for any input voltage change between input voltage range
 - Load regulation: ?5% variations from minimum to maximum output current
 - Insulation resistance: 50 megaohms minimum from output to ground
 - Inrush current: 15A at 115V AC, or 30A at 230V AC at 25 degrees Celsius cold start
 - Withstand voltage: 4242V DC from input to output
 - Mean time between failure: 50,000 hours minimum at full load at 25 degrees Celsius ambient
 - EMI requirements: meets conduction limits of FCC part 15 class B, CISPR 22.2
 - Safety requirements: meets or exceeds UL 1950, CSA C22.2, TUV EN60950 and IEC 950
- RoHS compliant