

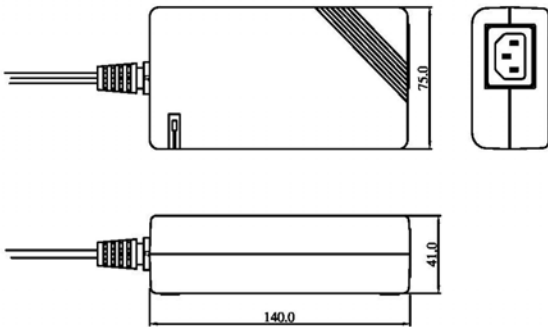


<http://www.bobbintron.com>

BOBBINTRON ELECTRICAL CORPORATION

ED1048 Series

60W Medical Power Supply



Electrical specifications :

Input:

Voltage..... 100-240VAC

Current.....1.5A rms Max

Frequency.....50-60 Hz

Output:

Voltage (Vo)..... (see table)

Tolerance.....+/- 5%

Power (Po).....60W

Hold up time.....8mS min at Full Load, 115VAC

Over voltage protection.....Built-in

Short circuit protection.....Hiccup Mode, Auto Recovery

Efficiency.....70% min, at Full Load and 115VAC

Ripple/Noise (Vp-p).....2% (20M Hz Bandwidth)

Calculated MTBF..... Over 100 Khr at 25C

Output Electronic Specifications:

Model No.	Po	Vo	Io
ED1048-12M	60W	14.7VDC	4.0A
ED1048-132M	40W	13.2VDC	3.0A
ED1048-18M	54W	18.0VDC	3.0A
ED1048-24M	60W	29.4VDC	2.0A

Manufacturer's note: ED1048-12M is a 3 stage charger

With Fast charge—Timer--- Float charge IC controlled, details see next page.

Feature:

Universal Input 100V to 240VAC

IEC Socket C14 Input

3-stage Lead Acid Battery Charger with timer

Medical Approval

Environmental :

Operating Temperature:

0 deg. C to 40 deg. C

Storage Temperature:

-20 deg. C to 80 deg.C

EMI:

Meet FCC Class B and

CISPR 22 Class B

Safety:

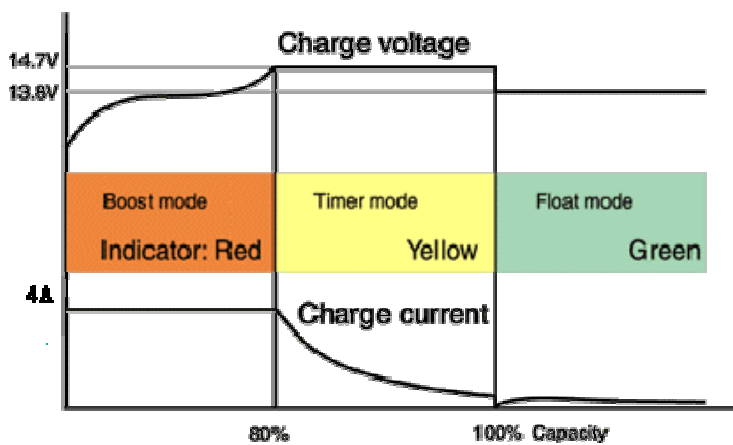
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Model#ED1048-12M Fast charge:Max. 4Amp(3-Stage charger for Lead Acid/Li-Ion Battery)



- *3-step charge control with timer*
- *Switch mode*
- *Universal input voltage (90-264 VAC)*
- *LED indicator with three colors*
- *3-pin IEC 320 mains connector*
- *Medical approved (EN 60601)*
- *UL Medical approved (UL 2601-1)*
- *Mains cord not included*

Input voltage 90 - 264 VAC

Charge voltage • Timer 14,7 V ± 0,2 • Float 13,8 V ± 0,3 Max. output power 60 W

Load regulation < 200 mV

Line regulation < 100 mV

Switch frequency, approx. 40 kHz

Leakage current with mains disconnected < 100 uA < 200 uA

Temperature range -10 - +40 °C

Ripple < 100 mV p-p

(ved 100% last) Efficiency (at 100% load) > 81 %

Current limit 4 A ± 0,3 2 A ± 0,2

Protection / Mains fuse

Automatically resettable fuse protects the charger against wrong polarity.



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Insulation class Electrical safety EN 60601-1, EN 60950, EN 60335-2-29

EMC standards

- **Medical EN 60601-1-2, UL-2601-1**
- **Emission EN 50081-1**
- **Immunity EN 50082-1**

Mains connection 3 pins IEC 320 connector

Indicator - 3 color LED

- **Red: (constant current, boost): 4 A**
- **Yellow: (const. voltage, timer): 14,7 V**
- **Green: (const voltage ,float): 13,8 V**

Timer 2h ± 30min (also available with other values)

Output terminals

DC plug: Alligator clips or other configuration by customers

DC connector

Dimensions (LxWxH) 140 x 75 x 39mm

Weight 350 g

Timer is also available with other values