IM15 - IM36 Series Medical Interchangeable

Wall Plug-In, Switch Mode Medical Power Supply, RoHS Compliant, CEC Level IV

Features:

- Universal Input 100 – 240 VAC
- 9 VDC to 15 VDC
- 15 to 36 Watts
- Available with U.S., U.K., European and Australian Input Plugs.
- High Efficiency, Low Cost Design
- Over-Voltage Protection & Short Circuit Protection
- RoHS Compliant
- CEC Efficiency Level: IV

Input

Input Voltage	90 to 264 VAC
Input Frequency	47 to 63Hz
Input Current	1.0A Max. @ 115 VAC 0.5A Max. @ 230 VAC
Inrush Current	40A Max. @ 115 VAC 80A Max. @ 230 VAC
Safety Ground Leakage Current	0.25mA Max.

Output

Output Voltage & Current	***See Chart***
Ripple & Noise (P-P)	1.2% Max. for 15W - 24W 1.5% Max. for 30W - 36W
Over-Voltage Protection	Auto Recovery
Over-Current Protection	Protected to Short Circuit Conditions, Auto Recovery
Temperature Coefficient	±0.04% / °C Max.

Environmental

Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 85°C
Relative Humidity	5% to 95% Non-Condensing

Electrical

Efficiency	Meets CEC Level IV Criteria
No Load Power Consumption	≤0.5 Watts
Hold-Up Time	8.3mS Minimum
Turn-On Time	3s Max.
Line Regulation	±1% Maximum
Load Regulation	±5% Maximum
Mean Time Between Failure (MTBF)	50,000 Hours Minimum

Safety

EMI Requirements	Meets Conduction Limits of: (A) FCC Part-15J Class B (B) CISPR-22 Class B
Safety Standards	Meets or Exceeds: (A) UL (B) CE (C) CEC Level IV

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Output Voltage and Current Chart

Model Number *	Output Range Voltage	Max Load Limited to Max Power Load	Power
IM15**Y***XX*R	9 - 15 VDC	1.0 A	15W
IM18**Y***XX*R	9 - 15 VDC	1.5 A	18W
IM24**Y***XX*R	9 - 15 VDC	2.0 A	24W
IM30**Y***XX*R	9 - 15 VDC	2.5 A	30W
IM36**Y***XX*R	9 - 15 VDC	3.0 A	36W

Notes

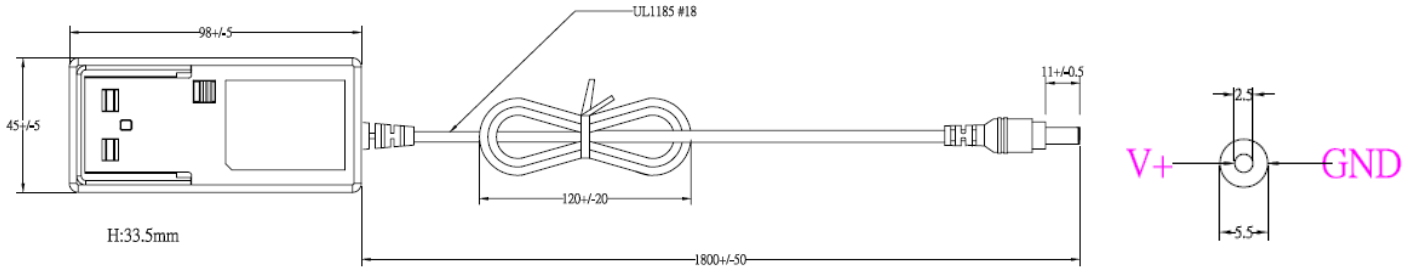
* Replace "*XX*" with Desired Output Voltage
* Replace "**Y**" with Desired Base Plug:

U = US Plug **E** = Euro Plug
B = British Plug **A** = Australian Plug
K = Kit with US Base and Other 3 Plugs

Example: IM24**U***12*R indicates a 24-watt, 12VDC Unit with a U.S. Input Plug.

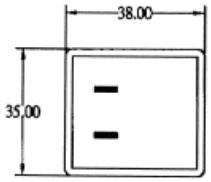
Plugs can also be purchased individually (See Below)

Note:
Output conntector to be specified
Standard Connecter is a 6 ft. cable with 2.5 x 5.5 x 11mm Female Barrel Plug, Center Positive (+)



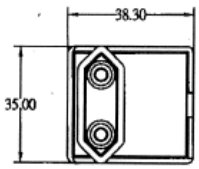
U US Plug

Part No. IBUR →



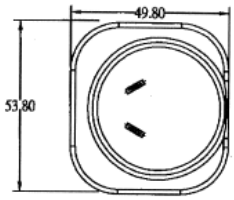
E European Plug

Part No. IBER →



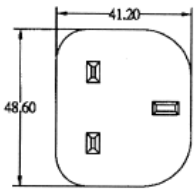
A Australian Plug

Part No. IBAR →



B British Plug

Part No. IBBR →



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