



20 Watt Medical Series

Wall Mount Type
USA / Europe / UK



ATM020 - W X X X □

O/P Voltage

U : US Plug
E : EU Plug
B : UK Plug

Green Mode

Meet CEC, Energy Star Level VI, ErP Stage 2, NRCan & GEMS NO Load Power Consumption Less 0.1W

Features :

- ANSI/AAMI/IEC/EN ES60601-1:2005 (60601 3rd edition)
- IEC 60950 approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100 - 240VAC Universal Input
- Single Output to 20W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
ATM020-W050□	5.0V	3.50A	17.50W
ATM020-W060□	5.9V	3.00A	17.70W
ATM020-W090□	9.0V	2.22A	20.00W
ATM020-W120□	12.0V	1.67A	20.00W
ATM020-W150□	15.0V	1.33A	20.00W
ATM020-W180□	18.0V	1.11A	20.00W
ATM020-W240□	24.0V	0.83A	20.00W
ATM020-W480□	48.0V	0.42A	20.00W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	0.45A-0.3A
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	U for US Plug
	E for EU Plug
	B for UK Plug

Output

Load Regulation	±5% (Typical)
Ripple	1 ~ 2% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection
DC Cord	22AWG / 20AWG / 18AWG
Ferrite Core	Yes

Safety Approvals

For USA- UL / cUL / FCC

For Europe & UK - CE

Electrical

Topology	Switching Flyback
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100µA
Efficiency	Energy Star Level V, ErP Stage 2, NRCan & GEMS Certified
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2, 3
EMS Immunity	Compliance to IEC60601-1-2
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Environmental

Operating Temperature	0 to + 40°C
Storage Temperature	-20 to + 80°C
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

North America Office:
L.Q.P. Enterprises Co., LTD.
175-5489 Byrne Road,
Burnaby, B.C. V5J 3J1 Canada
TEL: (604)451-7899 FAX: (604)451-7858
www.LeadingQP.com, www.LQP.ca