

## 35 ~ 60 Watts Single/Dual Output AC-DC Adaptor Medical Power

### FEATURES

- ◆ Wide Input, 90 to 264 VAC
- ◆ Single and Dual Output
- ◆ Output Voltage Available From 3 VDC Thru 50 VDC
- ◆ OVP, OLP and Short Circuit Protection
- ◆ Desktop Style, Class I Design

### SPECIFICATIONS

Input voltage.....90-264VAC  
 Input Frequency.....47-63Hz  
 Withstand Voltage.....I/P-O/P(V+): 5656VDC, I/P-FG: 2828VDC  
 Leakage current.....max. 0.3mA (for Class I)  
 Operating Temperature..... -10°C ~ +60°C  
 (derated linearly from 100% load @ 40°C to 50% load @ 60°C)  
 Safety standard.....UL/EN60601-1, CE, CB  
 EMI standard.....FCC Part-18 class B and  
 CISPR-11 EN55011 class B emission Limits  
 Standard Output Connector.....DC barrel jack (single out)  
 4 pin Power Din w/o lock (dual out)  
 Standard Cable / Length.....UL2464, UL1571, UL1185 / 1.2M,  
 which depends on different model

All specifications are typical at nominal line, full load and 25°C; unless otherwise noted.



Model Number	Output Voltage (VDC)	Output Current (A)	Total Reg.	Max. Watts
FRM060-S03-x	3 ~ 5	11.66 ~ 7.00	± 5%	35W
FRM060-S05-x	5 ~ 6	9.00 ~ 7.50	± 5%	45W
FRM060-S07-x	6 ~ 8	8.33 ~ 6.25	± 5%	50W
FRM060-S09-x	8 ~ 11	6.25 ~ 4.54	± 5%	50W
FRM060-S12-x	11 ~ 13	5.00 ~ 4.23	± 5%	55W
FRM060-S120-x	12	5.00	± 5%	60W
FRM060-S15-x	13 ~ 16	4.23 ~ 3.44	± 5%	55W
FRM060-S18-x	16 ~ 21	3.44 ~ 2.62	± 5%	55W
FRM060-S24-x	21 ~ 27	2.62 ~ 2.04	± 3%	55W
FRM060-S240-x	24	2.50	± 3%	60W
FRM060-S48-x	40 ~ 50	1.37 ~ 1.10	± 3%	55W
FRM060-S480-x	48	1.25	± 2%	60W

Dual Output Model Number	Output #1				Output #2				Max. Output Power
	Vo nom (VDC)	Io min (A)	Io max (A)	Reg. max	Vo nom (VDC)	Io min (A)	Io max (A)	Reg. max	
FRM060-D01-x	+3.3	0.6	6	± 7%	+5	0.4	3	± 5%	30W
FRM060-D03-x	+3.3	0.6	6	± 7%	+12	0.4	3	± 5%	50W
FRM060-D07-x	+3.3	0.6	6	± 7%	+24	0.2	1.5	± 5%	50W
FRM060-D13-x	+5	0.6	6	± 5%	+12	0.4	3	± 5%	55W
FRM060-D15-x	+5	0.6	6	± 5%	+15	0.3	2.5	± 5%	55W
FRM060-D17-x	+5	0.6	6	± 5%	+24	0.2	1.5	± 5%	55W

#### Ordering Information:

- \* Those items with CEC level V (or IV) compliance are also compliant to ErP step 2 (or 1).
- \* CEC compliance model standby power (@no load) < 0.5 W.
- \* For multi output models. Each out can load to it's max. Current. But the total power wattage shall not exceed Max. Output Power.
- \* Note: x=Inlet Type code: x = 4, IEC320 C14 x = 6, IEC320 C6.

### MECHANICAL DRAWING (Unit:mm)

