

S E R I E S



30 ~ 60 Watts Single/Dual Output AC-DC Adaptor Medical Power Type

FEATURES

- ◆ Wide Input Voltage 90 to 264 VAC
- ◆ Medical safety marks approved
- ◆ Internal EMI filter
- ◆ Single and dual Output
- ◆ Output Voltage Available From 3 VDC Thru 50 VDC
- ◆ OVP, OLP and short circuit protection
- ◆ Desktop style , Class I Insulation

SPECIFICATIONS

Input voltage.....90-264VAC
 Input Frequency.....47-63Hz
 Inrush current.....cold start, 20A at 115VAC, 100A at 230VAC
 Withstand Voltage.....I/P-O/P(V+): 5656VDC, I/P-FG: 2828VDC
 Efficiency.....70% min. (for output = 3~11V)
 75% min. (for output = 6~11V)
 80% min. (for output > 11V)
 (Avg. Eff.) >=85% (for CEC req. Models)
 Leakage current.....max. 0.3mA (for Class I)
 Working Temp.....10°C~40°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 pins power din, non-lock (dual out)
 Standard Cable / Length.....UL2464,UL1571,UL1815,1.2M,
 depends on 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 Regulation	Max. Watts	CEC*	LPS
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	TV	
FRM060-S120-x	12	5.00	5 %	60W	TV	V
FRM060-S15-x	13 ~ 16	4.23 ~ 3.44	5 %	55W	TV	V
FRM060-S18-x	16 ~ 21	3.44 ~ 2.62	5 %	55W	TV	V
FRM060-S24-x	21 ~ 27	2.62 ~ 2.04	3 %	55W	TV	V
FRM060-S240-x	24	2.50	3 %	60W	TV	V
FRM060-S48-x	40 ~ 50	1.37 ~ 1.10	3 %	55W	TV	V
FRM060-S480-x	48	1.25	2 %	60W	TV	V

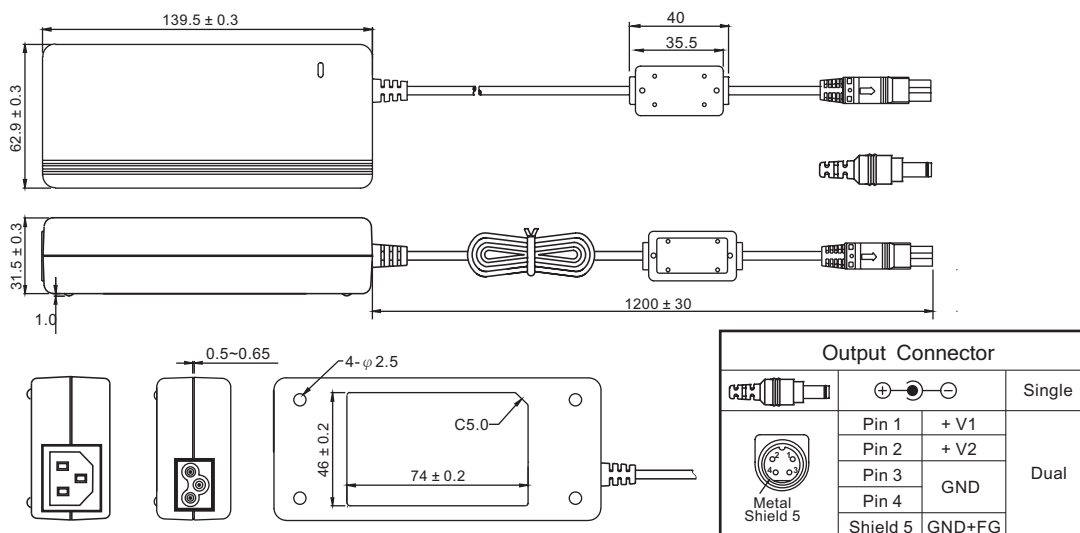
Ordering Information

- * CEC compliance model provide under customer's request .
- * CEC compliance model standby power (@no load) < 0.5 W.

Dual Output Model Number	Output #1				Output #2				Max. Output Power
	Vonom	Iomin	Iomax	Regmax	Vonom	Iomin	Iomax	Regmax	
FRM060-D01-x	+3. 3V	0.6A	6A	± 7%	+5V	0. 4A	3A	± 5%	30W
FRM060-D03-x	+3. 3V	0.6A	6A	± 7%	+12V	0. 4A	3A	± 5%	50W
FRM060-D07-x	+3. 3V	0.6A	6A	± 7%	+24V	0. 2A	1.5A	± 5%	50W
FRM060-D13-x	+5V	0.6A	6A	± 5%	+12V	0. 4A	3A	± 5%	55W
FRM060-D15-x	+5V	0.6A	6A	± 5%	+15V	0. 3A	2.5A	± 5%	55W
FRM060-D17-x	+5V	0.6A	6A	± 5%	+24V	0. 2A	1.5A	± 5%	55W

- * 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



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