

# FRA030/045/050

S E R I E S



## 30 ~ 50 Watts Single Output AC-DC Adaptor DeskTop Type

### FEATURES

- ◆ Universal input
- ◆ OVP, OCP, OPP, Auto Recovery
- ◆ No load power consumption (@no load) < 0.075W
- ◆ Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5

### SPECIFICATIONS

Input Voltage..... 90~264VAC  
 Input Current..... 1.5A max.  
 Efficiency..... 87% typ. at full load \*  
 No Load Stand By Power..... < 0.5W @ 230 VAC  
 Hold Up Time..... 10mS at Nominal Line  
 Output voltage..... 5 ~ 48VDC  
 Ripple & Noise..... 2% p-p max.  
 Load Regulation..... ±5% max.  
 Withstand Voltage..... I/P-O/P: 3000 VAC (Class I)  
 I/P-O/P(V+): 4242 VDC, I/P-FG: 2121 VDC (For Class I)  
 Operating Temperature..... -10°C ~ +60°C  
 (derated linearly from 100% load @ 40°C to 50% load @ 60°C)  
 Storage Temperature..... -20°C to +85°C  
 Protections..... OCP , OVP , Over Power & Short Circuit  
 Safety Standard..... IEC/UL/EN 62368-1,CE, CB  
 EMC Standard..... (EN55032, CISPR22, FCC Part 15) class B,  
 EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55035  
 Standard output connector..... DC barrel jack  
 Standard output cable / length..... UL1185 or UL1571 / 1.0M

\* This data is taken after 30 mins. burn-in  
 All specifications are typical at nominal line, full load and 25°C,  
 unless otherwise noted.



Model Number	Output Voltage (VDC)	Output Current (A)	Output Max.Watts	EFF. Level	LPS
FRA030-S05-x	5~7 **	6.00~4.30	30W	VI	
FRA045-S09-x	7~9	6.00~5.00	45W	VI	
FRA045-S12-x	12~15	3.75~3.00	45W	VI	V
FRA045-S15-x	15~18	3.00~2.50	45W	VI	V
FRA045-S24-x	18~24	2.50~1.88	45W	VI	V
FRA050-S12-x	12~15	4.17~3.33	50W	VI	V
FRA050-S15-x	15~18	3.33~2.78	50W	VI	V
FRA050-S24-x	18~24	2.78~2.08	50W	VI	V
FRA050-S36-x	30~36	1.67~1.38	50W	VI	V
FRA050-S48-x	40~48	1.25~1.04	50W	VI	V

#### Ordering Information:

x= AC Inlet Type Code  
 x= 4, IEC320 C14 x= 6, IEC320 C6 x= 8, IEC320 C8

#### Note:

\*\* 6VDC and above, efficiency level V only

### MECHANICAL DRAWING (Unit: mm)

