

F R A O 2 4

S E R I E S

12 ~ 24 Watts Single Output AC-DC Adaptor DeskTop Type

FEATURES

- ◆ Universal input, desktop style
- ◆ Single output 12~24W, Anywhere output voltage 3~50VDC
- ◆ No load power consumption (@no load) < 0.075W
- ◆ Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5

SPECIFICATIONS

Input Voltage Range.....90~264VAC
 Input Current (rms).....0. 7A Max.
 Efficiency..... 81.5% typ. at full load *
 Output Voltage.....(anywhere output voltage)..... 3~50VDC
 Voltage Regulation..... ± 5% max.
 Max. Power..... 24W
 Withstand Voltage.....I/P-O/P: 3000 VAC (Class II)
 I/P-O/P(V+): 4242 VDC, I/P-FG: 2121 VDC (Class I)
 Operating Temperature..... -10°C ~ +60°C
 (derated linearly from 100% load @ 40°C to 50% load @ 60°C)
 Storage Temperature.....-20°C ~ 85°C
 Operating Humidity..... 20% to 90% RH
 Protections.....OVP, OLP, Short Circuit Protection
 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..... UI1185 1.0M

* This data is taken after 30 mins. burn-in ; except 3.3V
 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
FRA024-S05-x	5~6	3.00~2.50	15W	VI
FRA024-S07-x	6~8	2.50~1.88	15W	VI
FRA024-S09-x	8~11	2.50~1.80	20W	VI
FRA024-S12-x	11~13	2.20~1.85	24W	VI
FRA024-S15-x	13~16	1.85~1.50	24W	VI
FRA024-S18-x	16~21	1.50~1.15	24W	VI
FRA024-S24-x	21~27	1.15~0.90	24W	VI
FRA024-S30-x	27~33	0.90~0.72	24W	VI
FRA024-S36-x	33~40	0.73~0.60	24W	VI
FRA024-S48-x	40~50	0.60~0.48	24W	VI

Ordering Information:

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

MECHANICAL DRAWING (Unit: mm)

