

FRA036/045E

S E R I E S

36~48 Watts Single Output AC-DC Adaptor DeskTop Type

FEATURES

- ◆ Universal input
- ◆ Desktop style , class class I & Class II
- ◆ Single output
- ◆ No load power consumption (@no load) < 0.075W
- ◆ Comply with EISA 2007 / DoE 6 & EU ErP EU2019/1782

SPECIFICATIONS

Input Voltage Range.....90~264VAC
 Input Current (rms).....1.0A Max.
 Withstand Voltage.....I/P-O/P: 3000 VAC (Class II)
 I/P-O/P(V+): 4242 VDC, I/P-FG: 2121 VDC (Class I)
 Efficiency.....87% typ. at full load *
 Output Voltage.....(anywhere output voltage).....11~48VDC
 Voltage Regulation.....Single Output \pm 5% Max.
 Max Power.....48W
 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/EN62368-1, 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
 MTBF.....calculated per MIL-HDBK-217F @ 25°C GB >100,000Hrs
 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)	Tol.	Max. Watts	EFF. Level
FRA036-S12-x	11~14	3.27~2.57	5%	36	VI
FRA036-S15-x	14~17	2.57~2.12	5%	36	VI
FRA036-S18-x	17~21	2.12~1.71	5%	36	VI
FRA036-S24-x	21~27	1.71~1.33	5%	36	VI
FRA036-S48-x	40~48	0.90~0.75	5%	36	VI
FRA045E-S12-x	11~14	4.09~3.21	5%	45	VI
FRA045E-S15-x	14~17	3.21~2.65	5%	45	VI
FRA045E-S18-x	17~21	2.65~2.14	5%	45	VI
FRA045E-S24-x	21~27	2.14~1.67	5%	45	VI
FRA045E-S48-x	40~48	1.13~0.94	5%	45	VI
FRA045E-S240-8	24	2.00	5%	48	VI

* RCM & CCC safety marks for C14 & C6 model only

* PSE for FRA036-S12/S15 models only

Ordering Information:

x= AC Inlet Type Code

x= 4, IEC320 C14 x= 6, IEC320 C6 x= 8, IEC320 C8

MECHANICAL DRAWING (Unit: mm)

