FRA036/045E
S E R I E S

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

FEATURES

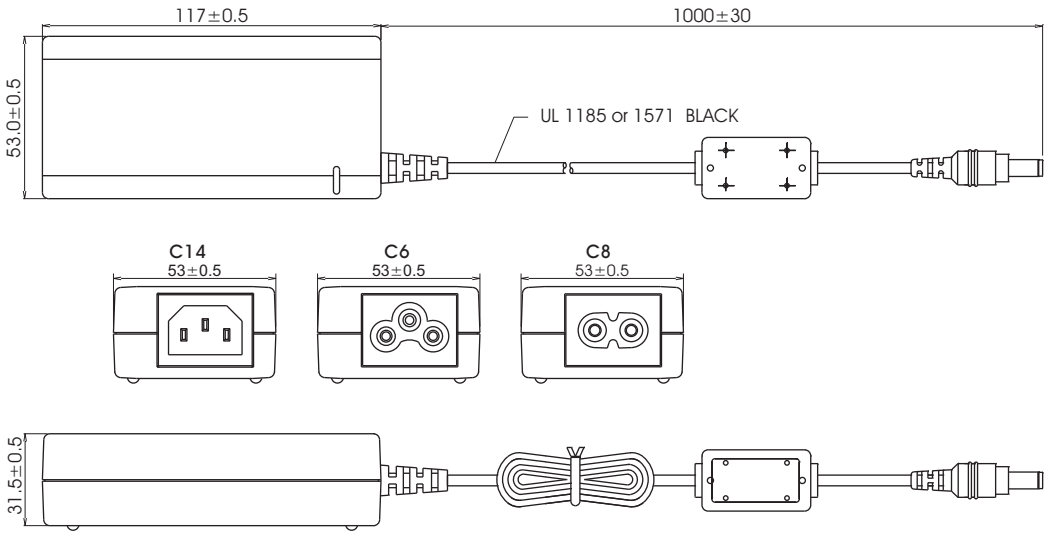
- Universal input
- Desktop style , class class I & Class II
- Single output
- No load power consumption (@no load) < 0.075W
- Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5

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 ± 5% Max.
Max Power..... 48W
Operating Temperature..... -10℃ ~ +60℃
(derated linearly from 100% load @ 40℃ to 50% load @ 60℃)
Storage Temperature..... -20℃ ~ 85℃
Operating Humidity..... 20% to 90% RH
Protections..... OVP, OLP, short circuit protection
Safety Standard..... IEC/UL/EN 60950-1/62368-1,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
MTBF.....caculated per MIL-HDBK-217F @ 25℃ 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℃, 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

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

MECHANICAL DRAWING (Unit: mm)