

F R A 0 4 2

S E R I E S

42 Watts Single / Dual Output AC-DC Adaptor DeskTop Type

FEATURES

- ◆ Universal input
- ◆ Desktop style, class I & Class II
- ◆ Single and dual output available
- ◆ 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).....1.2A 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.....See model list
 Voltage Regulation.....single output $\pm 5\%$ Max.
 Dual Output $3.3V \pm 7\%$ Max, others $\pm 5\%$ Max.
 Max Power.....42W
 Operating Temperature..... $-10^{\circ}C \sim +60^{\circ}C$
 (derated linearly from 100% load @ $40^{\circ}C$ to 50% load @ $60^{\circ}C$)
 Storage Temperature..... $-20^{\circ}C \sim 85^{\circ}C$
 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 @ $25^{\circ}C$ 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 ; except dual output
 All specifications are typical at nominal line, full load and $25^{\circ}C$, unless otherwise noted.



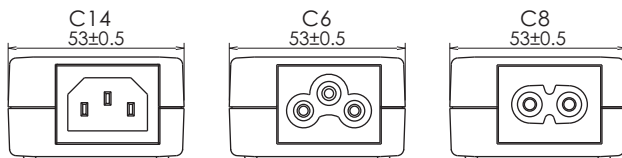
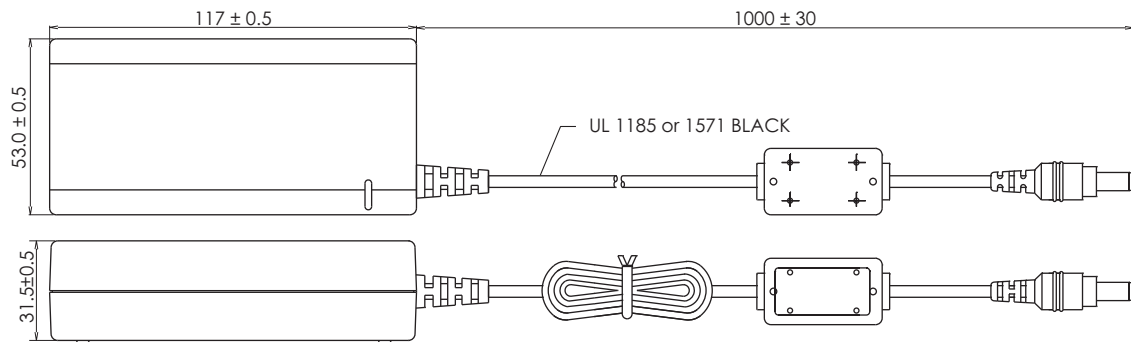
Model Number	Output #1		Output #2		Max. Watts	EFF. Level	LPS
	Vol. (V)	Current (A)	Vol. (V)	Current (A)			
FRA042-S12-x	11~14	3.82~3.00			42	VI	V
FRA042-S15-x	14~17	3.00~2.47			42	VI	V
FRA042-S18-x	17~21	2.47~2.00			42	VI	V
FRA042-S24-x	21~27	2.00~1.56			42	VI	V
FRA042-S48-x	40~48	1.05~0.87			42	VI	V
FRA042-D13-x	5.0	0.3~3	12	0.3~3.0	42		
FRA042-D13A-x	5.0	0.5~5	12	0.3~2.0	42		
FRA042-D13C-x	5.2	0.5~5	12	0.3~2.0	42		
FRA042-D17-x	5.0	0.3~3	24	0.2~1.5	42		
FRA042-D17A-x	5.0	0.5~5	24	0.2~1.0	42		

Note 1 :
 For multi output models, each output can load to it's max. current but total power wattage shall not exceed max. output wattage.

Note 2 :
[CCC for single output C14 & C6 model only](#)
[RCM for single output C14 & C6 model only](#)

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

MECHANICAL DRAWING (Unit: mm)



Output Connector		
	$\oplus \ominus$	Single
	Pin 1	+ V1
	Pin 2	+ V2
	Pin 3	GND
	Pin 4	GND
	Shield 5	GND