

AC/DC Power Supply 12V 30W

Datasheet



30 Watts Single Output AC-DC Adaptor WallMount Type

FEATURES

- ◆ Universal input, wall mount style
- ◆ Interchangeable plug - kit sold separately
- ◆ Single output 30W, Anywhere output voltage 11~50VDC
- ◆ 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).....0.7A Max.
 Efficiency.....87% type. at full load *
 Output Voltage.....(anywhere output voltage).....11~50VDC
 Voltage Regulation.....± 5% max.
 Max. Power.....30W
 Withstand Voltage.....I/P-O/P: 3000 VAC
 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.....UL2468 1.5M (1.0M for 12V)

* 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)	Max. Output	EFF. Level
FRA030E-S12-x	11~13	2.73~2.30	30W	VI
FRA030E-S15-x	13~16	2.30~1.87	30W	VI
FRA030E-S18-x	16~21	1.87~1.43	30W	VI
FRA030E-S24-x	21~27	1.43~1.11	30W	VI
FRA030E-S30-x	27~33	1.11~0.91	30W	VI
FRA030E-S36-x	33~40	0.91~0.75	30W	VI
FRA030E-S48-x	40~50	0.75~0.60	30W	VI

NOTE:

RCM : RCM : for -I model only
 PSE : for -I, -8 model & under 30.1V only
 for -4, -6 model & under 15V only

Ordering Information:

x= AC Plug Type code

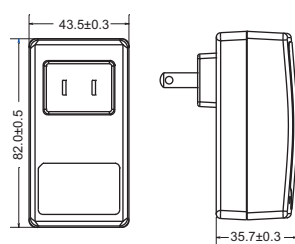
A	Australian plug	U	US plug	C	China plug
E	Euro plug	I	Interchangeable Type		

6 types of interchangeable AC plugs:

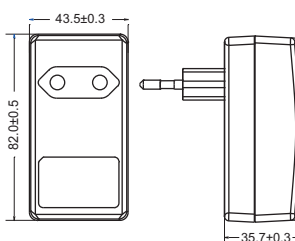
IA	Australian plug	IB	British plug	IC	China plug
IE	Euro plug	II	Indian plug	IU	US plug

MECHANICAL DRAWING (Unit: mm)

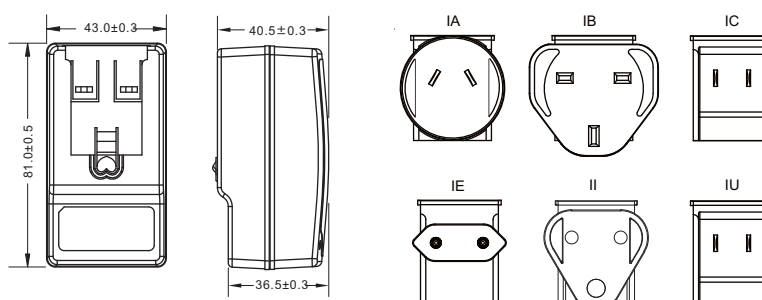
US plug (x=U)



EU plug (x=E)



Interchangeable Type



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