

FRA150/180

S E R I E S

120 ~ 180 Watts Single Output AC-DC Adaptor DeskTop Type for I.T.E.

FEATURES

- ◆ Universal input, desktop style
- ◆ PF > 0.91 @230VAC, full load
- ◆ OVP, OLP and short circuit protection
- ◆ Fanless, convection cooling
- ◆ No load power consumption (@no load) < 0.15W
- ◆ Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5



** CCC for C14 & C8 only

SPECIFICATIONS

Input Voltage Range..... 90~264VAC
 Input Current (rms)..... 3.0A Max.
 Efficiency..... 88% @ full load, vin=230V *
 Output Voltage..... See model list
 Voltage Regulation..... ± 5% ~ ±3%
 Withstand Voltage..... I/P-O/P: 4242 VDC (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
 Cooling Convection
 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
 Standard output connector..... 4 pin power din (FMP02-4P)
 Standard output cable/length..... UL1571 or UL1185 / 1.0M

| Model Number | Output Voltage (VDC) | Output Current (A) | Total Reg. % | Ripple Noise (mV) | Max. Watts | EFF. Level |
|---------------|----------------------|--------------------|--------------|-------------------|------------|------------|
| FRA150-S120-z | 12 | 10.0 | ± 5 | 120 | 120W | VI |
| FRA180-S120-z | 12 | 12.5 | ± 5 | 120 | 150W | VI |
| FRA150-S150-z | 15 | 8.00 | ± 5 | 150 | 120W | VI |
| FRA180-S150-z | 15 | 10.0 | ± 5 | 150 | 150W | VI |
| FRA180-S180-z | 18 | 8.33 | ± 5 | 180 | 150W | VI |
| FRA180-S190-z | 19 | 7.89 | ± 3 | 190 | 150W | VI |
| FRA150-S240-z | 24 | 6.25 | ± 3 | 200 | 150W | VI |
| FRA180-S240-z | 24 | 7.50 | ± 3 | 200 | 180W | VI |
| FRA150-S360-z | 36 | 4.17 | ± 3 | 200 | 150W | VI |
| FRA180-S360-z | 36 | 5.00 | ± 3 | 200 | 180W | VI |
| FRA150-S480-z | 48 | 3.12 | ± 3 | 240 | 150W | VI |
| FRA180-S480-z | 48 | 3.75 | ± 3 | 240 | 180W | VI |

Ordering Information:

z= AC Inlet Type Code

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

* PSE is available for : FRA150-S120/S150/S240 &

FRA180-S120/S150/S180/S190/S240

MECHANICAL DRAWING (Unit: mm)

