

P R B X

POWERBOX Switchbox
FRA150/180 Series
120-180W
Single Output
AC/DC Switch Mode Adapter, Desktop Style

Features

Universal Input, desktop style
PF > 0.95 @230VAC, full load
OVP, OLP and short circuit protection
Fanless, convection cooling
AC Switch ON/OFF control
No load power consumptiono (@ no load) < 0.075W
Comply with EISA 2007 / DoE 6 & EU ErP and CoC 5

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: 3000 VAC (Class II). I/P-O/P(V+): 4242 VDC, I/P-FG: 2121 VDC (For 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/EN60950-1,CE, CB.
EMC standard	(EN55022, CISPR22, FCC Part 15) Class B, EN61000-3-2, 3, EN61000-4-2, 3, 4, 5, 6, 8, 11, EN55024.
Std output connector	4 pin power din (FMP02-4P).
Std output cable/length	UL 1571 or UL1185/1.0M.

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

Ordering information:

z= AC inlet type code

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

* PSE for on/off switch model (class I only): FRA150-S120/S150/S240 & FRA180-S120/S150/S180/S190

