



Industry FSP400-1K30B

DESCRIPTION

400W Open frame type power supply with 15V DC output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size
- Fit 1U Chassis
- Full Load at 0~50 °C
- Air Convection Cooling
- Protection: Over Voltage, Over Temperature, Short Circuit & Over Power
- High Reliability
- High Density
- MTBF 150,000 hours at 25°C
- EMC class B
- ITE Approval

WATTAGE

Wattage: 400W

PRODUCT HIGHLIGHT

Efficiency Level: 90% / 115Vac & 92% / 230Vac at convection
Output Voltage: 15 VDC
Size: 101.6 (4.0") x 177.8 (7.0") x 40.0 (1.58") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~264 Vac
Input Frequency: 47~63 Hz
Input Current: 4.6A : 100 VAC / 2.3A : 240 VAC
Inrush current: 20A @ 115 Vac / 40A @ 230Vac
Earth leakage current: max. 300uA @ 264 Vac

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1

15 V , 20 A

Ripple & Noise:

Output1

150mV

Over Voltage Protection:

Output1

115% - 140%

MECHANICAL

Dimension: 101.6mm(L) x 177.8mm(W) x 40.0mm(H)
Cooling: 300W / convection; 300W ~ 400W with 7CFM forced airflow
Connector Type-Input: Dinkle DT-35-B01W-03 or equivalent
Connector Type-Output: M4*0.7 Screw connectors or equivalent
Remote Control: No

SAFETY STANDARD APPAOVAL



ENVIRONMENTAL SPECIFICATION

Storage temperature: -20 °C to +80 °C
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 88% / 115Vac & 91% / 230Vac @Full Road% minimum on all models
Hold-up time: 12 ms minimum at 12 VAC
MTBF: 150,000 hours minimum at full load at 25 °C ambient, calculated per MIL-HDBK-217F

EMC PERFORMANCE

EN55022: Class B Conducted, Class A radiated
FCC: Class B Conducted, Class A radiated
VCCI: Class B Conducted, Class A radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV Air ; ± 4 KV contact
EN61000-4-3: 3V/m
EN61000-4-4: Fast transient/burst, ±1 KV
EN61000-4-5: Surge, ±1 KV diff., ±2 KV com.
EN61000-4-6: 3V rms
EN61000-4-8: 1A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms , > 95% reduction for 10ms

This content is subject to change, please refer to specification for more detail.
FSP reserve the right to change the content without prior notice