

## DPS-300KB-1 Series

150 (W) x 86 (H) x 140 (L) mm



CB



BSMI

### FEATURES

- Complies with ATX 12V V1.1
- Remote On/Off
- High Reliability
- Low Acoustic Noise
- Built-in EMI Filter
- Meets IEC 60950: 1999/UL 60950 3<sup>rd</sup> Edition
- TTL Compatible Power Good Signal
- All Outputs SELV (Safety Extra Low Voltage)
- Brownout/Recovery Function
- Fan Speed Control Function Inside

### ENVIRONMENTAL

- MTBF: >100,000 hours at Max. Load, 115Vac and 25°C ambient conditions
- Dielectric Withstand:
  - Input to Output: 1800Vac for 1 sec
  - Input to Frame Ground: 1800Vac for 1 sec
- ESD: IEC 61000-4-2
- Surge: IEC 61000-4-5

### ELECTRICAL SPECIFICATIONS

#### Input

- Input Range 90-135/180-265Vac, Switch-Select
- Frequency 47-63Hz
- Input Current 8A @ 115Vac; 4A @ 230Vac
- Efficiency >68% @ Max. Load, Nominal Line
- EMI/RFI FCC Part 15 Class B  
CISPR 22 Class B

#### Output

- Maximum Power 300 Watts
- Holdup Time >17mS @ Max. Load, Nominal Line
- Rise Time 0.1mS ~ 20mS
- Leakage Current <0.75mA @ 250Vac
- Overvoltage Protection: +3.3V, +5V, +12V, -12V, -5V
- Overcurrent Protection: <240VA
- Short-Circuit Protection: Latch off all main outputs reset by cycling On/Off control or AC power.
- Power Good Signal: TTL/CMOS compatible on delay 100mS to 500mS, off delay 1mS minimum.

Output	Voltage	Regulation	Minimum Load	Maximum Load	Peak Load	Ripple & Noise Vp-p
V1	+3.3V	+/-5%	0A	26.0A	-	50mV
V2	+5V	+/-5%	1A	30.0A	-	50mV
V3	+12V	+/-5%	0.2A	15.0A	18.0A	120mV
V4	-12V	+/-10%	0A	0.8A	-	120mV
V5	-5V	+/-5%	0A	0.5A	-	100mV
V6	+5Vsb	+/-5%	0A	2.0A	2.5A	50mV

- Peak-to-peak with 20MHz bandwidth and 10  $\mu$ F in parallel with a 0.1  $\mu$ F capacitor.
- Total combined power on +3.3V & +5V rails are 220W maximum.
- Total combined current on +3.3V, +5V & +12V rails are 290W maximum.
- Total combined current on -5V & -12V rails are 0.8A maximum.

All specifications are subject to change without prior notice.

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