KPS-3[™] Power Supply

DATA SHEET

2.8 AMP Single Output with Battery Charger (UPS Function)





Power Supply with US Power Cables, No Enclosure

KPS-3 Power Supply with Metal Enclosure and US Power Cables

Features:

- Universal AC Input / Full Range, No Transformer Required
- Models available with and without enclosure
- Protections: Short circuit / Overload / Over voltage
- Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and Battery Reverse Low
- Cooling by free air convection
- 100% full load burn-in test
- 2 year warranty

Keri's **KPS-3 Power Supply** provides an open frame power solution, with an ultra compact footprint, providing your design with more space and efficiency.

Specifications:

Size:

NE Version: 103.4*62*37mm (L*W*H) *Enclosure:* 205*180*90mm

Weight:

NE Version: .95lbs (.42kg) W/enclosure: 3.65lbs (1.66kg)

Output:

DC Voltage: CH1 - 13.8V, 2.8A, CH2 (Battery) – 13.8V, 1.5A Current Range: CH1 – 12-15V, CH2 – N/A Power: 59.34W Voltage Tolerance: +/- 1.0%

Input:

Voltage Range: 90-264VAC Frequency Range: 47-63Hz Effiency: 84% AC Current: 1.6A/115VAC, 1A/230VAC Inrush Current: Cold Start 30A/115VAC, 60A230VAC

Protection:

Overload: 105-150% Rated Power

Protection Type: Hiccup mode, recovers automatically after fault condition is removed Over Voltage: CH1 – 14.49 ~18.63V

Protection Type: Hiccup mode, recovers automatically after fault condition is removed Battery Cut Off: 10.5 +/- 0.5V

Environment:

Working Temp: -20 ~ +70 deg C Working Humidify: 20~90% RH non-condensing Storage Temp. Humidity: -20 ~ +85 deg C, 10~95% RH Temp Coefficient: ± deg C 0.03%/ (0~50) on CH1 output Vibration: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axis

Safety & EMC:

Safety Standards: UL60950-1, TUV EN60950-1 approved Withstand Voltage: I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC

Isolation Resistance: I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25 / 70% RH EMC Emission: Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3 EMC Immunity: Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A

Others:

MTBF: 589.7K hrs min. MIL HDBK-217F (25)

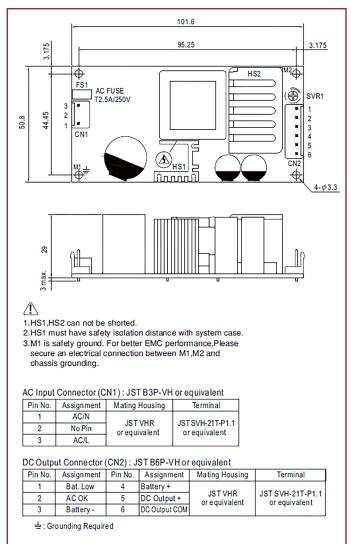
Note: Specifications are subject to change without notice.

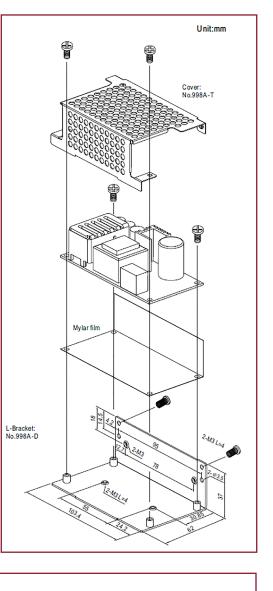


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Mechanical Specifications:





ORDERING INFORMATION (US):

<u>Model #</u>	Description
KPS-3	Power supply with metal enclosure & US power cables
KPS-3NE	Power supply with US power cables, no enclosure

ORDERING INFORMATION (EU/UK):

Model #	Description
KPS-31	Power supply with metal enclosure and EU/UK power cables
KPS-3NE	Power supply with EU/UK power cables, no enclosure



Presented By: