#### 2.8 AMP Single Output with Battery Charger (UPS Function)





#### KPS-3NE

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)

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

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.

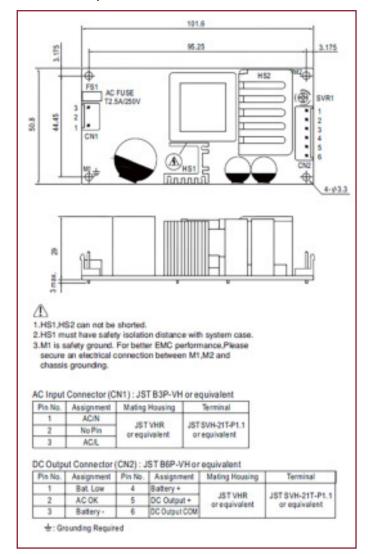


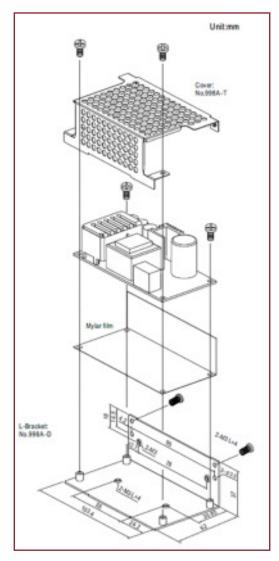
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# **KPS-3**<sup>™</sup> Power Supply DATA SHEET, Page 2 of 2



#### **Mechanical Specifications:**





#### **ORDERING INFORMATION (US):**

## Model # 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 #	<u>Description</u>
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: