

KPS-3™ Power Supply

DATA SHEET

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: <i>NE Version:</i> 103.4*62*37mm (L*W*H) <i>Enclosure:</i> 205*180*90mm	<i>AC Current:</i> 1.6A/115VAC, 1A/230VAC <i>Inrush Current:</i> Cold Start 30A/115VAC, 60A/230VAC	Environment: <i>Working Temp:</i> -20 ~ +70 deg C <i>Working Humidity:</i> 20~90% RH non-condensing <i>Storage Temp. Humidity:</i> -20 ~ +85 deg C, 10~95% RH <i>Temp Coefficient:</i> ± deg C 0.03%/ (0~50) on CH1 output <i>Vibration:</i> 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axis	<i>Isolation Resistance:</i> I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25 / 70% RH <i>EMC Emission:</i> Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3 <i>EMC Immunity:</i> Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
Weight: <i>NE Version:</i> .95lbs (.42kg) <i>W / enclosure:</i> 3.65lbs (1.66kg)	Protection: <i>Overload:</i> 105-150% Rated Power <i>Protection Type:</i> Hiccup mode, recovers automatically after fault condition is removed <i>Over Voltage:</i> CH1 – 14.49 ~18.63V <i>Protection Type:</i> Hiccup mode, recovers automatically after fault condition is removed <i>Battery Cut Off:</i> 10.5 +/- 0.5V	Safety & EMC: <i>Safety Standards:</i> UL60950-1, TUV EN60950-1 approved <i>Withstand Voltage:</i> I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	Others: <i>MTBF:</i> 589.7K hrs min. MIL HDBK-217F (25) <i>Note: Specifications are subject to change without notice.</i>
Output: <i>DC Voltage:</i> CH1 - 13.8V, 2.8A, CH2 (Battery) – 13.8V, 1.5A <i>Current Range:</i> CH1 – 12-15V, CH2 – N/A <i>Power:</i> 59.34W <i>Voltage Tolerance:</i> +/- 1.0%	Input: <i>Voltage Range:</i> 90-264VAC <i>Frequency Range:</i> 47-63Hz <i>Efficiency:</i> 84%		



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