



KPS-3™ Power Supply

DATA SHEET

2.8 AMP Single Output with Battery Charger (For Back-up Battery)



KPS-3NE
Power Supply with US Power Cables,
and Chassis Enclosure

KPS-3
Power Supply with Full 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

Efficiency: 84%
AC Current: 1.6A/115VAC,
1A/230VAC
Inrush Current: Cold Start
30A/115VAC, 60A/230VAC

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 Humidity: 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.*



