



electronicpowersolutions

90 Watt, KH Series, Ultra Slim DIN Rail Power Supply

- Universal AC Input
- High Efficiency 91%, High Reliability
- Wide Temperature Range -20 to +70 °C
- Power On LED, Output Voltage Trim
- Over Load, Over Voltage Protected
- Full Approvals: UL/cUL/EN/CE/ANSI
- ATEX Approved
- 5 Year Warranty
- Ultra Compact only 50mm Wide



Specification

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Input Voltage (Universal).....	85~264 VAC
Input Frequency.....	47~63 Hz
Inrush Current.....	Cold start, 18A @ 115 VAC, 35A @ 230 VAC
Input Current(typ).....	0.95A @115 VAC, 0.55A @ 230 VAC
Load Regulation.....	12 Volts Max 100mV, 24 Volts Max 150 mV
Line Regulation.....	12 Volts Max 48mV, 24 Volts Max 96 mV
Leakage Current.....	<0.75 mA @ 240 VAC
Output Voltage.....	see table, plus output adjustment range
Over Load Protection.....	Works over 105% of peak current and recovers automatically
Over Voltage Protection.....	12V = 13.8~16.80, 24V = 30~36V
Start-Up Time.....	500 ms @ 115 VAC full load
Hold Up Time.....	20 ms @ 115 VAC (full load)
Isolation Voltage.....	I/P-O/P: 3 kVAC, I/P-F/G: 2 kVAC, O/P-Gnd: 0.5 kVAC
Operating Temperature.....	-20~+70 °C (see derating curve)
Safety Standards.....	UL508, UL60950-1, C-UL, EN60950-1, ATEX EN50178 complies with DEN-AN, ANSI/ISA12.12.01
EMC Standards.....	FCC-B, VCCI-B, CISPR22-B, EN55011-B, EN55022-B, IEC61000-3-2 NEC Class 2 option at 24 Volts
Dimensions.....	90(D) x 50(W) x 90(H) mm
Weight.....	405g

Output Models

Model	Output	Adj. range	Efficiency
KHEA-90F-12	12.0 V / 6.8 A	10.8 V ~ 13.2 V	88%
KHEA-90F-24	24.0 V / 3.8 A	22.5 V ~ 28.5 V	91%

ALL PSU LTD

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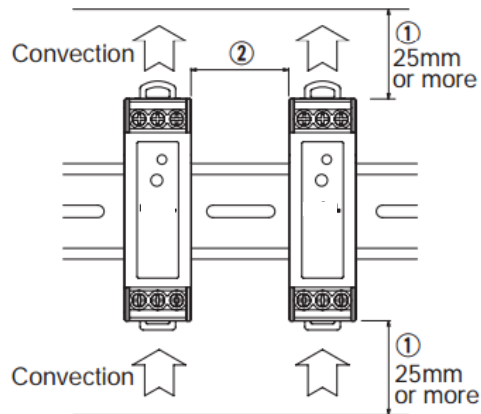
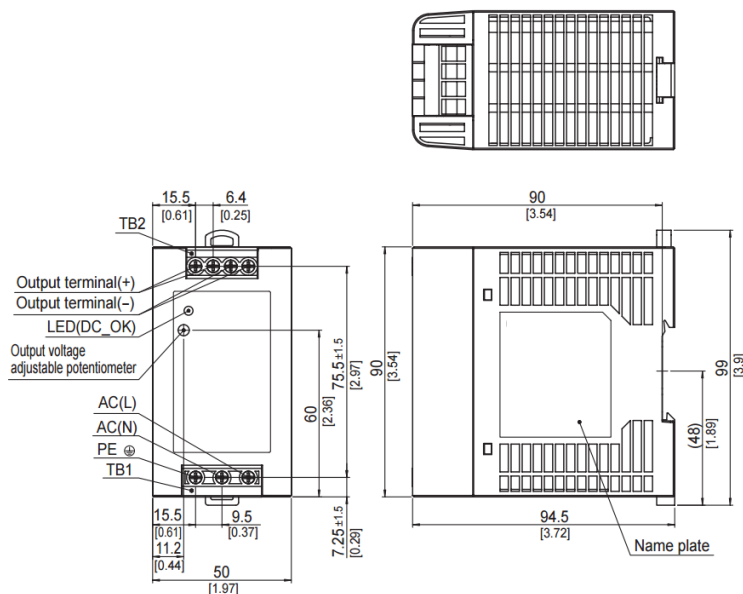
Email : sales@allpsu.co.uk | Web : www.allpsu.co.uk



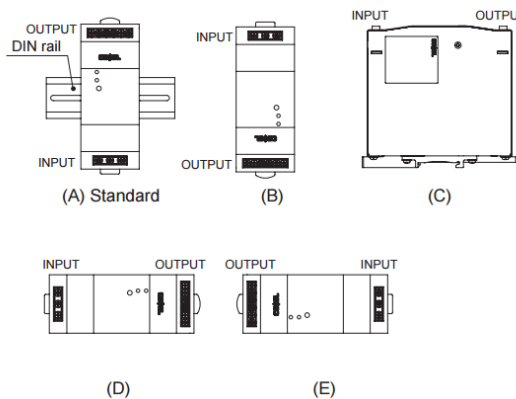
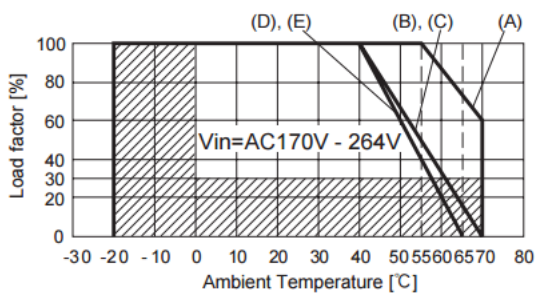
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Mechanical Drawings & Connection Details



Derating Curve:



Specifications are subject to change without notice, E&OE. ALL PSU Terms & Conditions apply.

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