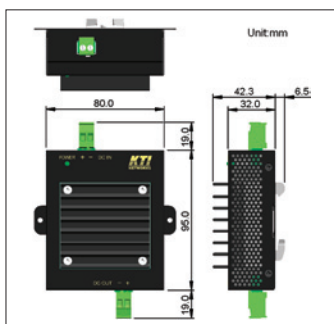




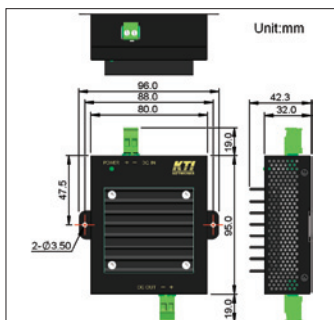
KPW-D48T12, KPW-D48T24



60W/90W Isolated DC-DC Power Converters



DIN-Rail Dimension



Panel Dimension

Key Features:

- Isolated conversion between input and output
- Industrial rating for EMC standard
- Support din-rail mounting and panel mounting
- Protections: short circuit/over current/over voltage/over temperature
- Wide range of operating temperature -30°C ~ 70°C

Applications:

- Support PoE powered devices for power conversion from the received PoE voltage to local voltages, 12V or 24V
- Support new PoE standard, PoE++ high power applications up to 90W

Specifications:

Power Rating

Model	DC IN	DC OUT	Output Power	Efficiency*
KPW-D48T12-60	44 ~ 60V	12V±2%	60W	87%
KPW-D48T12-90	36 ~ 70V	12V±1%	90W	86%
KPW-D48T24-60	44 ~ 60V	24V±2%	60W	88%
KPW-D48T24-90	44 ~ 70V	24V±1%	90W	83%

* Measured with full load at Vin 48V and up

DC Input connectors 2P European Terminal Block: Vin+ / Vin -

DC Output connectors 2P European Terminal Block: Vout+ / Vout-

LEDs Input power status

Isolation DC IN lines vs. DC OUT lines 1.5KVDC

Protection Auto-recovery for short circuit, OCP, OVP, OTP

Mounting Support DIN-Rail, Panel mounting

Environmental
 Operating temperature: -30°C ~ +70°C
 Storage temperature: -30°C ~ +85°C
 Relative Humidity: 5% ~ 95% non-condensing

Power Derating

Model	No Air flow	Air flow 1m/s
KPW-D48T12-60	100% (45°C), 75% (55°C)	100% (50°C), 75% (60°C), 55% (70°C)
KPW-D48T12-90	80% (40°C), 60% (50°C)	100% (50°C), 80% (60°C), 60% (68°C)
KPW-D48T24-60	100% (40°C), 80% (50°C), 50% (70°C)	-
KPW-D48T24-90	80% (35°C), 60% (45°C)	100% (50°C), 80% (60°C), 60% (68°C)

Housing Enclosed metal with no fan

Dimensions 95 x 80 x 32 mm (LxWxH)

Approval FCC Class A, CE mark Class A, VCCI Class A



Katron Technologies Inc.

15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,
 Hsi-chih, New Taipei City, Taiwan, R.O.C.
 Tel: 886-2-2698-3878
 Fax: 886-2-2698-3873
 E-mail: kt@ktinet.com.tw
 URL: http://www.ktinet.com.tw

KTI Networks Inc.

10415-A Westpark Drive, Houston,
 TX 77042. U.S.A.
 Tel: 1-713-266-3891
 Fax: 1-713-914-0555
 E-mail: contact@ktinet.com
 URL: http://www.ktinet.com

Trademarks: All brand names are trademarks or registered trademarks of their respective holders. This information is subject to change without prior notice.