



# KPW-300T



## 1U Rack Mountable 300W Switching Power Supply for PoE/PoE+ applications

### Product Highlights:

- Universal AC connector
- PoE+ voltage options
- 19" rack 1U slot mountable
- Industrial temperature rating

### Key Features:

- Full range of AC input with IEC320 AC socket for universal installation
- Built-in active PFC function, PF>0.95
- High efficiency up to 89%
- Withstand 300VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Built-in constant current limiting circuit
- Industrial terminal block connector for DC output
- Wide range of operating temperature -40 ~ 64°C
- Support 19" rack mounting

### Applications:

- External power supply for typical PoE & high power PoE switches or systems
- General power supply for critical temperature environments
- General power supply for 19" rack-mount systems

### Specifications:

AC IN Voltage	100 ~ 240VAC, 50/60Hz
DC Voltage Options	+48VDC, +52VDC, +54VDC ( +/-1%)
AC IN Connector	IEC320 C14 socket
DC OUT Connector	Terminal block 3P: Vout+ / Vout- / FG
LED Power status	AC in, DC out OK
Protection	Short circuit Over load: 105% ~ 135% Over voltage: 58V ~ 67VDC Over temperature: 95°C ( +/-5°C)
Environment	Operating Temperature: -40°C ~ 64°C Storage Temperature: -40°C ~ 85°C Relative Humidity: 10% ~ 95% non-condensing
Power Derating	300W @50°C, 225W @60°C, 150W @64°C
Air Flow	Still air @ -40°C ~ 64°C
Fan Cooling	Yes
Mounting Support	Desktop, 19" Rack, Enclosure
Dimensions	325 x 210 x 43 mm (WxDxH )
Power Module	UL60950-1, TUV EN60950-1 Certified
MTBF	>176K Hours

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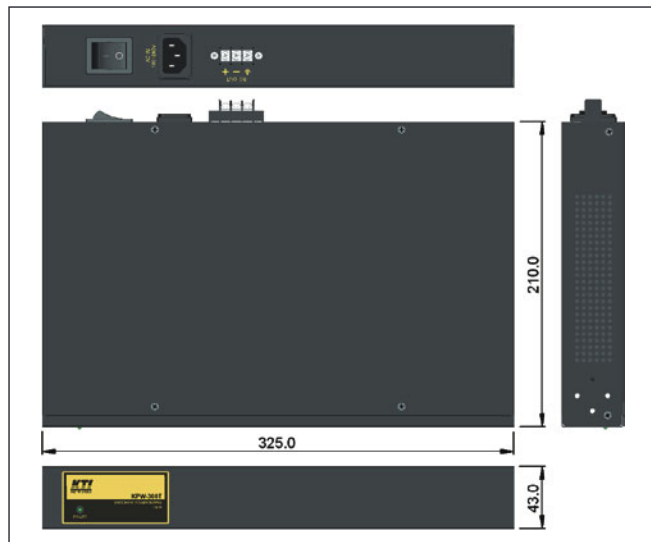
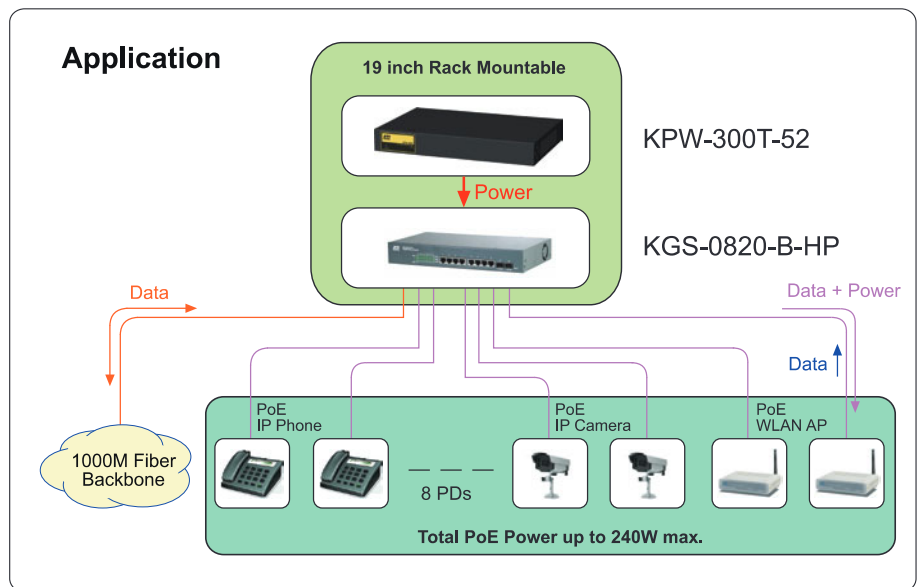
**Ordering Information:**

Model	DC Out
KPW-300T-48	+48V/6.25A
KPW-300T-52	+52V/5.77A
KPW-300T-54	+54V/5.56A



Approval

FCC Class B, VCCI Class B, CISPR 22 Class B, CE mark, LVD, TUV IEC 60950-1 certified, EN 55022 emission, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2 immunity for industrial environment



Dimensions



Katron Technologies Inc.