TN21-1005-01

1000W AC/DC SWITCHING POWER SUPPLY

OPEN FRAME



FEATURES

- Universal AC Input Range 90 ~ 264VAC.
- Operating Temperature Range: -20°C ~ +70°C.
- Built-in Active PFC Function.
- Built-in Protections: OVP / OCP / SCP / OTP.
- High Efficiency up to 91%.
- RPS Redundancy Design with Active Current Sharing.
- Designed for IEEE 802.3af / IEEE 802.3at / IEEE 802.3bt Applications.
- Tight Voltage Regulation for Stable Ethernet Power Delivery.
- Operating Altitude up to 5,000m.
- Complies with IEC/EN/UL 62368-1 Standard.

MODELS & RATINGS

Model No.	Rated Power (W)	Cooling Method	Output 1	Output 2	Efficiency (Typ.)
TN21-1005-01	1005W	Forced Air Cooling	+12V / 15A	-55V / 15A	Up to 91%

KEY SPECIFICATIONS

Item	Specification
Input Voltage	90 ~ 264VAC
Input Frequency	47 ~ 63Hz
Input Current	12 Arms @ 115VAC 5.5 Arms @ 230VAC
Inrush Current	30A peak @ 115VAC (Cold start at 25°C)
Power Factor	0.98 @ 115VAC; 0.95 @ 230VAC
Efficiency	Up to 91%
Hold-up Time	20mS @ 230VAC & maximum load, 90% of output voltage
Earth Leakage Current	1.5mA @ 264VAC
MTBF	900,000 Hours
Current Sharing	Active Current Sharing
Redundancy	1+1
Safety	UL / CB / IEC 62368-1
EMC	EN55032 Class B

MECHANICAL SPECIFICATION

Item	Specifications
Dimensions (L x W x H)	254 x 127 x 41.5 mm
Weight	1217g

*Specifications are subject to change without notice.