TGA0300-XX-X

300W AC/DC SWITCHING POWER SUPPLY

ADAPTOR



FEATURES

- Wide AC Input Range: 85VAC to 264VAC, Suitable for Global Applications.
- High Efficiency: Up to 94% Conversion Efficiency for Optimized Energy Savings.
- Low Standby Power Consumption: <0.5W, Energy Efficiency Regulations (CEC Level VI Compliant).
- Active Power Factor Correction (PFC): Ensures Efficient Power Utilization and Reduced Harmonic Distortion.
- Comprehensive Protection Features: OCP (Over Current Protection), OVP (Over Voltage Protection), SCP (Short Circuit Protection).
- Wide Operating Temperature Range: -10°C to +60°C for Industrial and Commercial Environments.
- Safety According to IEC 62368-1, IEC 60601-1, IEC 61558-1, IEC 61558-2-16.

MODELS & RATINGS

Model No.	Output Power (W)	Output Voltage / Current	Output Voltage Range (V)	Efficiency (%) Typ.
TGA0300-12	240	12V / 20A	11.4 - 12.6	92
TGA0300-24	300	24V / 12.5A	22.8 - 25.2	93
TGA0300-48	300	48V / 6.25A	45.6 - 50.4	94
TGA0300-54	300	54V / 5.56A	51.3 - 56.7	94

KEY SPECIFICATIONS

Item	Specification
Input Voltage	85 ~ 264VAC
Input Frequency	47 ~ 63Hz
Input Current	3.5 Arms @ 115VAC 1.75 Arms @ 230VAC (Max.)
Inrush Current	70A peak @ 100VAC 140A peak @ 200VAC (Cold start at 25°C)
Power Factor	0.95 @ 115VAC, Full Load
Efficiency	Up to 94%
Hold-up Time	12mS @ 230VAC/50Hz, rated load, 25°C
Earth Leakage Current	500µA @ 264VAC
No Load Power	≤0.5W
MTBF	300,000 Hours
Safety	IEC 62368-1, IEC 60601-1, IEC 61558-1, IEC 61558-2-16
EMC	Conforms to EN55032 Class B

MECHANICAL SPECIFICATION

Item	Specifications
Dimensions (L x W x H)	203 x 86.5 x 51.5 mm
Weight	1066g

*Specifications are subject to change without notice.