TDK·Lambda

GENERAL SAFETY INSTRUCTIONS:

This product is a switch mode power supply for use in applications meeting Pollution Degree 2 environment. A suitable mechanical and fire enclosure must be provided by the end use equipment for shock hazard protection, fire protection and protection from hazardous energy levels.

1. Read safety instructions carefully before working on this product.
2. HIGH VOLTAGE WARNING: Dangerous voltages are present within the power supply. Input and output of this product are not user accessible. There are no user serviceable parts inside.
3. Do not install, test or operate this product near water, and do not spill any liquid on it.
4. Do not operate this product unless it is in a secure position.
5. This product must be installed and put into service by competent personnel only who are fully conversant with the hazards of AC line operated equipment and with the particular dangers associated with switch mode power supplies.
6. This product must be reliably earthed and professionally installed in accordance with the prevailing electrical wiring regulations and safety standards.
7. Never drop metal objects of any kind onto the product as this could result in electric shock or fire hazard.
8. The output taken from this product must not exceed the rating stated on the power supply label.
9. An internal fuse protects the product and must not be replaced by the user. In case of internal defect, the product must be returned to the manufacturer.
10. This product contains components that require special disposal. Make sure that this product is properly disposed of at the end of its service life.

Warning:

Product can only be safely used lower than 2,000 meters altitude
仅适用于海拔2000m以下地区安全使用

Product can only be safely used in non-tropical weather
仅适用于非热带气候条件下安全使用

Safety Approvals

UL/CSA 60950-1, IEC/EN60950-1, CE Mark, CCC

EMC:

Conducted Emissions - EN55022 Class A [Note 1]
Radiated Emissions - EN55022 Class A [Note 1]

Note 1: With external EMI filter: Yunpen p/n: YO08T1 or Delta p/n: 15GEEW3E

Environmental Parameters

	Operation	Storage & Transportation
Temperature	0^0C to +50^0C	-20^0C to +85^0C
Humidity	5% to 95% RH, non-condensing	10% to 95% RH, non-condensing
Altitude	-200m to 2000m	-200m to 2000m

Level of Insulation

Primary mains circuit to earth	2121VDC
Primary mains circuit to output	4242VDC
Output to earth	500VDC max

Input Parameters

Maximum input voltage range	85 – 265VAC
Nominal input voltage range	100 – 240VAC
Input frequency range	47 – 63 Hz
Maximum input current	2.4Arms
Earth leakage	3.5mA max.
Efficiency (25°c,100% Load)	70% min

Output Parameters

	Output # 1	Output # 2	Output # 2
Nom output Voltage	5V	15V	-15V
Max adjust range$^)$	4.75-5.50V		
Maximum output current	7A	2.8A	0.7A
Overcurrent protection	Short Circuit Protection		
Overvoltage Protection	<135%	N/A	N/A

Pin Assignments:

Connector	Function
CN1 Pin1	AC (L)
CN1 Pin 3	AC (N)
CN4	GND
CN2 Pin 1	+O/P 2
CN2 Pin 2	+O/P 1
CN2 Pin 3	+O/P 1
CN2 Pin 4	COM
CN2 Pin 5	COM
CN2 Pin 6	-O/P 3