



12-24VDC Adjustable output with 10-turns variable resistor

Universal output 12-30V

Universal input 84-264VAC; ± 90 -380VDCOptional thermal stabilization²

2 x LED Status Indicator

Specification:

| | | 20W | 40W | 60W | 80W |
|--------------|---|--|---------------------------|---------------------------------|---------------------------|
| Output | Rated power | | | | |
| | DC voltage | 12-30V | | | |
| | DC adjustable voltage range | 11.5-24.5V | | | |
| | Rated current | 12V @ 1.7A; 30V @ 0.7A | 12V @ 3.4A; 30V @ 1.4A | 12V @ 5.0A; 30V @ 2.0A | 12V @ 6.7A; 30V @ 2.7A |
| | Output voltage noise and ripples | ≤0.5% | | | |
| | PWM frequency | 65-130kHz (22kHz without load) | | | |
| | Temperature regulation | ≤1% | | | |
| | Output voltage setup time | 1200ms | | | |
| | Max current for OC output ¹ | 40mA | | | |
| Intput | Voltage range | 100-240VAC (84VAC Min, 264VAC Max) 90-380VDC | | | |
| | Frequency range | 40 ~ 400Hz | | | |
| | Efficiency | >86%@12V, >89%@24V | | | |
| | Open-circuit power | ≤1.0W | | | |
| | Inrush current | 20A max | | 35A max | |
| Indication | Green LED | on solid - normal, flashing - protection on | | | |
| | Red LED | ON/OFF Output voltage: >18VDC/<18VDC | | | |
| Protection | Max output power | 24W | 48W | 70W | 96W |
| | Protection type | full auto | | | |
| Environment | Operating ambient temperature | - 25 °C to + 70 °C | | | |
| | Storage temperature | -40 °C to +85 °C (humidity 10%~90%) | | | |
| | Humidity (non-condensing) | 20%~90% | | | |
| | Vibration | 10-500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes | | | |
| Safety & EMC | Confirmed safety standards | IEC61000-3-2:2004, EN61000-3-3:2004, EN55013:2004, EN55020:2003, IEC60065:2009 | | | |
| | Input/output breakdown voltage | 3000V/60s/5mA | | | |
| | Input/ground breakdown voltage | 1500V/60s/5mA | | | |
| | Output/ground breakdown voltage | 500V/60s/5mA | | | |
| | Insulation resistance (input/output, input/ground, output/ground) | 100MΩ ±500V | | | |
| Others | MTBF | 150 000 hours | | | |
| | Enclosure size | 84x54x 25 | 101x59x29 | 110x68x31 | 134x74x37 |
| | DIN-rail holder | DIN-holder supplied separately | | | |
| | Warranty | 3 years | | | |
| | Packaging | white box, 100 pieces per carton | | white box, 50 pieces per carton | |
| | Weight | 100 g | 150 g | 200 g | 270 g |

¹Additional CON1 port on 40/60 and 80W power supplies is designed for ps remote control and receiving information about 220V network presence. Pin assignment starting from circuit's edge: 1) V- 2) bare collector "20V network" 3) TL431 stabilizer control input 4) V+. Pin #2 is also duplicated to the main terminal as pin #6.

²TR1 port designed for output voltage control in relation to ambient temperature provided by connecting thermoresistor. Thermoresistor and cable are supplied separately.