

**Description**

**S-50W-12V**      S-50W / 60W / 75W      S-100W / 120W / 145W      D-50W / 60W

Output voltage: 5V: DC5V, 12V: DC12V, 24V: DC24V

Output power: 50W, 60W, 75W, 100W, 120W, 145W

Output: S: Single output, D: Dual output, T: Triple output, Q: Quad output

**T-50W / 60W**

**Specification(Common)**

|                                  |  |
|----------------------------------|--|
| Input voltage range              | AC220V 50/60Hz, fluctuation range is AC175~264V, DC240~370V                    |
| Leakage current                  | <1mA/240VAC  |
| Impact current                   | Cold start current: 60A/230V   |
| Overload protection              | 105%~150%, Type: Current limited, Reset: Automatic                             |
| Temperature coefficient          | ±0.03mA/%°C (0~50°C)   |
| Start / Up / Keep time           | 200ms, 100ms, 30ms   |
| Shock resistance                 | 10~500Hz, 2G, 10min  |
| Pressure resistance              | Input and output: 1.5KVAC, Input and cover: 1.5KVAC, Output and cover: 0.5KVAC |
| Isolation resistance             | 500VDC/100mΩ   |
| Work temperature and humidity    | -10°C~+60°C, 10%~90%RH   |
| Storage temperature and humidity | -20°C~+85°C, 10%~95%RH   |
| Safety standards                 | UL1012   |
| EMC                              | Some of 15J of FCC, Class B  |

**Specification(Different)**

|                         | S-50W-5V | S-50W-12V | S-50W-24V | S-100W-5V | S-100W-12V | S-100W-24V | S-145W-5V | S-145W-12V | S-145W-24V |
|-------------------------|----------|-----------|-----------|-----------|------------|------------|-----------|------------|------------|
| DC output               | 5V       | 12V       | 24V       | 5V        | 12V        | 24V        | 5V        | 12V        | 24V        |
| Tolerance of output     | ±2%      | ±1%       | ±1%       | ±2%       | ±1%        | ±1%        | ±2%       | ±1%        | ±1%        |
| Rated current           | 10A      | 4.2A      | 2.1A      | 5A        | 2.1A       | 1.1A       | 7A        | 3A         | 1.5A       |
| The range of current    | 0-10A    | 0-4.2A    | 0-2.1A    | 0-5A      | 0-2.1A     | 0-1.1A     | 0-7A      | 0-3A       | 0-1.5A     |
| mVp-p                   | 75mVp-p  | 100mVp-p  | 100mVp-p  | 50mVp-p   | 100mVp-p   | 100mVp-p   | 75mVp-p   | 100mVp-p   | 100mVp-p   |
| Stability of the line   | ±0.5%    | ±0.5%     | ±0.5%     | ±0.5%     | ±0.5%      | ±0.5%      | ±0.5%     | ±0.5%      | ±0.5%      |
| Stability of the load   | ±1%      | ±0.5%     | ±0.5%     | ±1%       | ±0.5%      | ±0.5%      | ±1%       | ±0.5%      | ±0.5%      |
| Power of DC output      | 50W      | 50.4W     | 50.4W     | 25W       | 25.2W      | 26.4W      | 35W       | 36W        | 36W        |
| Efficiency              | 71%      | 78%       | 78%       | 65%       | 76%        | 80%        | 70%       | 76%        | 78%        |
| Output adjustment range | +10%,-5% | ±10%      | ±10%      | +10%,-5%  | ±10%       | ±10%       | +10%,-5%  | ±10%       | ±10%       |

|                         | D-50A        |        | D-50B |        | T-50A        |        |        | T-50B        |        |        | T-50C        |        |        | T-50D        |          |          |
|-------------------------|--------------|--------|-------|--------|--------------|--------|--------|--------------|--------|--------|--------------|--------|--------|--------------|----------|----------|
|                         | CH1          | CH2    | CH1   | CH2    | CH1          | CH2    | CH3    | CH1          | CH2    | CH3    | CH1          | CH2    | CH3    | CH1          | CH2      | CH3      |
| DC output               | 5V           | 12V    | 5V    | 24V    | 5V           | 12V    | -5V    | 5V           | 12V    | -12V   | 5V           | 15V    | -15V   | 5V           | 12V      | 24V      |
| Tolerance of output     | ±2%          | +5-8%  | ±2%   | ±8%    | ±2%          | ±5%    | ±5%    | ±2%          | ±5%    | ±5%    | ±2%          | ±5%    | ±5%    | ±2%          | ±6%      | ±6%      |
| Rated current           | 6A           | 2A     | 6A    | 1A     | 7A           | 1A     | 1A     | 5A           | 1A     | 1A     | 4A           | 1A     | 1A     | 3A           | 1A       | 1A       |
| The range of current    | 1-6A         | 0.3-2A | 1-6A  | 0.2-1A | 0.6-7A       | 0.2-1A | 0.2-1A | 0.6-5A       | 0.2-1A | 0.2-1A | 0.6-4A       | 0.2-1A | 0.2-1A | 0.6-4A       | 0.2-1.2A | 0.2-1.2A |
| mVp-p                   | 50           | 100    | 50    | 100    | 100          | 100    | 100    | 100          | 100    | 100    | 100          | 100    | 100    | 50           | 120      | 120      |
| Stability of the line   | ±0.5%        | ±1%    | ±0.5% | ±1%    | ±0.5%        | ±0.5%  | ±0.5%  | ±0.5%        | ±0.5%  | ±0.5%  | ±0.5%        | ±0.5%  | ±0.5%  | ±0.5%        | ±1%      | ±1%      |
| Stability of the load   | ±0.5%        | ±5%    | ±0.5% | ±8%    | ±1%          | ±4%    | ±4%    | ±1%          | ±4%    | ±4%    | ±1%          | ±4%    | ±4%    | ±1%          | ±5%      | ±5%      |
| Power of DC output      | 54W          |        | 54W   |        | 52W          |        |        | 49W          |        |        | 50W          |        |        | 51W          |          |          |
| Efficiency              | 73%          |        | 73%   |        | 66%          |        |        | 69%          |        |        | 71%          |        |        | 72%          |          |          |
| Output adjustment range | CH1:+10%,-5% |        |       |        | CH1:+10%,-5% |        |        | CH1:+10%,-5% |        |        | CH1:+10%,-5% |        |        | CH1:+10%,-5% |          |          |

**Wiring**

S-50W, S-60W, S-75W      D-50B, D-60B      S-100W, S-120W, S-145W

T-50W      D-50A, D-60A

L: Live line of AC input      N: Zero line of AC input      +V: Anode of DC output      -V: Cathode of DC output

V1: Anode of main circuit      V2: Anode of 2<sup>nd</sup> circuit      V3: Anode of 3<sup>rd</sup> circuit      COM: Common cathode of output

+V1 ADJ.: Voltage adjustment      Ground connection      +V1 ADJ.: Voltage adjustment of main circuit

**Dimension and Mounting(mm)**

S-50W, S-60W, S-75W, D-50W, D-60W, T-50W(159mm×98mm×38mm)      S-100W, S-120W, S-145W(199mm×98mm×38mm)

