



## WH-B122820 DC-DC转换器

### WH-B122820 Series DC DC converter

#### Summary

- > 额定输出：功率 560W  
Rated output: power 560W
- > 输入电压：12VDC  
Input voltage: 12VDC



#### General specification

100 × 80 × 38mm

| Specification                     | Model | WH-B122820                                                                                                                                                                                                                               |
|-----------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 额定输出功率<br>Rated output power      |       | 560W                                                                                                                                                                                                                                     |
| 额定输入电压<br>Rated input voltage     |       | 12VDC                                                                                                                                                                                                                                    |
| 额定输出电压<br>Rated output voltage    |       | 28VDC                                                                                                                                                                                                                                    |
| 电压<br>Voltage range               |       | 10V-16VDC                                                                                                                                                                                                                                |
| 启动电压<br>Starting voltage          |       | 10VDC 100%负载 Load                                                                                                                                                                                                                        |
| 空载功耗<br>No-load power consumption |       | < 0.15W                                                                                                                                                                                                                                  |
| 效率<br>Efficiency                  |       | 94%                                                                                                                                                                                                                                      |
| 电压<br>Voltage                     |       | VOUT:28VDC                                                                                                                                                                                                                               |
| 电流<br>Current                     |       | 20A                                                                                                                                                                                                                                      |
| 电压调整率<br>Voltage tolerance        |       | 1.5%                                                                                                                                                                                                                                     |
| 负载调整率<br>Load regulation          |       | 3%                                                                                                                                                                                                                                       |
| 纹波电压<br>Wave(mvp-p)               |       | 500mv 外接22UF 电容 ESR<0.1Ω 100KHZ<br>500mv External 22UF capacitor ESR < 0.1 Ω 100KHZ                                                                                                                                                      |
| 过流保护<br>Over current protection   |       | 在额定输出的情况下，大于额定电流120%，过电流保护将起作用，过电流消失后，它将自动恢复。<br>In the case of rated output, if the current exceeds 120% of the rated current, the overcurrent protection will act, and it will automatically recover after the overcurrent disappears. |
| 输入—输出<br>Input—output             |       | 非隔离 Non-isolated                                                                                                                                                                                                                         |
| 防水<br>Waterproof                  |       | 全密封防水 Fully sealed and waterproof                                                                                                                                                                                                        |
| 尺寸<br>Dimension                   |       | 100×80×38mm                                                                                                                                                                                                                              |
| 重量<br>N.W.                        |       | 500g                                                                                                                                                                                                                                     |
| 冷却方式<br>Cooling method            |       | 自然冷却 Natural Method                                                                                                                                                                                                                      |
| 额定值温升<br>Rated temperature rise   |       | 45℃                                                                                                                                                                                                                                      |
| 可靠性<br>Reliability                |       | > 100000h                                                                                                                                                                                                                                |
| 接线说明<br>Wire indicator            |       | 输入正（红色），输入负（黑色），输出负（黑色），输出正（黄色）引线长度=160mm ± 10mm<br>Input positive (red), input negative (black), output negative (black), output positive (yellow), lead length=160mm ± 10mm                                                            |

#### PIC和安装尺寸

#### PIC and installation dimensions

