

◆Feature

- .Constant voltage design
- .High input voltage
- .Small dimension, High efficiency, High reliability, Long lifetime
- .Ip66 design for outdoor installation
- .Working temperature: -25°C~+50°C
- .Protections: Overload, Over voltage, Short-circuit, etc.
- .Typical efficiency: 85.5%
- .CE\IP66 certified, RoHS compliant
- .100% full load burn-in test.



SPECIFICATION

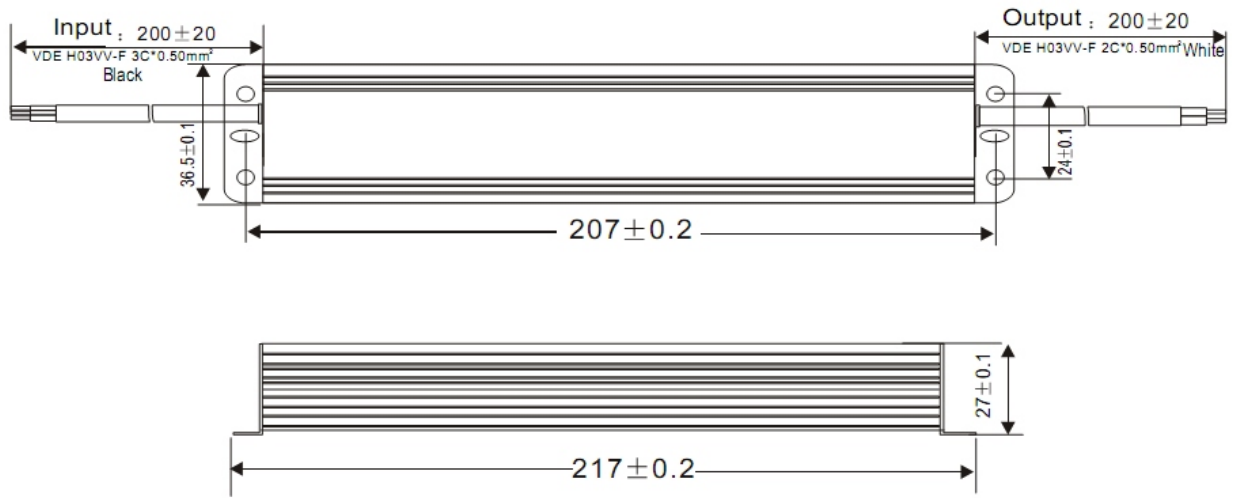
| Model Number | | VAS-12040D0185 | VAS-24040D0185 | | |
|--------------------|------------------------------|---|----------------|--|--|
| Output | DC Voltage | 12V | 24V | | |
| | Rated current | 3.34A | 1.67A | | |
| | Current range | 0-3.34A | 0-1.67A | | |
| | Rated power | 40W | 40W | | |
| | Ripple and Noise(max.) Note4 | 120mVp-p | 240mVp-p | | |
| | Voltage tolerance Note3 | ±4% | ±2% | | |
| | Line regulation | ±1% | ±0.5% | | |
| | Load regulation | ±2% | ±1% | | |
| | Output groups | 1 | 1 | | |
| | Set up time Note6 | 2000ms, 50ms(at full load) 230Vac | | | |
| Holding time(Typ.) | 15ms(at full load) 230Vac | | | | |
| Input | Voltage range Note 2 | 170~264Vac or 240~374Vdc | | | |
| | Frequency range | 47~63Hz | | | |
| | Power factor(Typ.) | PF≥0.9/230V(at full load) | | | |
| | Efficiency(Typ.) | 84.5% | 85.5% | | |
| | AC current | 0.4A/230Vac | | | |
| | Inrush current(Typ.) | Cold start:50A/230Vac | | | |
| | Leakage current | <0.75mA/240Vac | | | |
| Protection | Over load | 104%-135% of the rated output power Protection mode: constant current limiting, recovers automatically after the load reduced. | | | |
| | Short circuit | Protection type: Hiccup mode, recovers automatically after fault conditions removed | | | |
| | Over voltage | 13.0-18V | 25-34V | | |
| | Over temperature | 100°C±10°C(RTH2) | | | |
| | | Protection type: Shut down O/P voltage, recovers automatically after temperature goes down. | | | |
| Environment | Working temperature | -25°C~+50°C | | | |
| | Working humidity | 10%~90%RH, non-condensing | | | |
| | Storage temp. and humidity | -25°C~+75°C, 5%~95%RH | | | |
| | Temp. coefficient | ±0.05%/°C (0~40°C) | | | |
| | Vibration | 10-300Hz, 1G 10min./cycle, period for 60min. each along X, Y, Z axes | | | |
| Safe and EMC | Safety standards | Compliance to EN61347-1, EN61347-2-13, Ip66 waterproof rating. | | | |
| | Withstand voltage | I/P-O/P: 3.75KVAC I/P-FG: 1.875KVAC O/P-FG: 0.5KVAC | | | |
| | Insolation resistance | I/P-O/P, I/P-FG, O/P-FG: 100Mohms/500Vdc 25°C/70%RH | | | |
| | EMC Emission | Compliance to EN55015, (CISPR22), EN61000-3-2, EN61000-3-3 | | | |
| | EMC Immunity | Compliance to EN61547, EN61000-4-2,3,4,5,6,8,11 | | | |
| Others | MTBF | ≥200Khrs, MIL-HDBK-217F(25°C) | | | |
| | Dimension | 217X36.5X27mm(L*W*H) | | | |
| | Packing | 0.38Kg/PCS, 50PCS/19Kg/box, (325X260X270mm) | | | |

NOTE

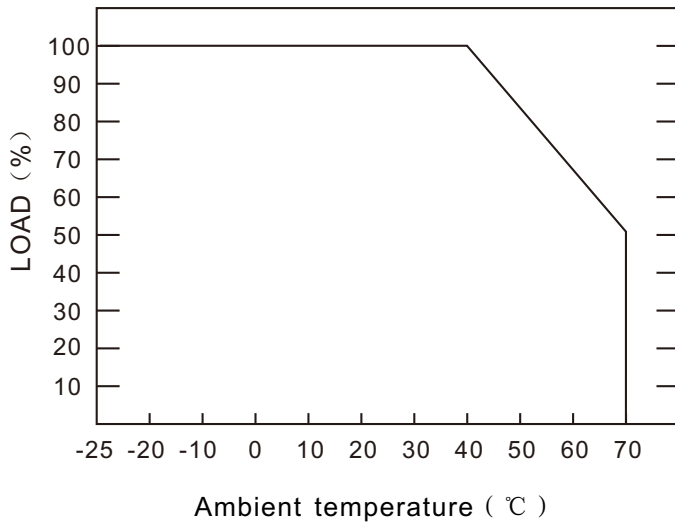
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Derating may be needed under low input voltages. Please check the static characteristics for more details.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Ripple & noise are measured at 20MHZ of bandwidth by using twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-confirm EMC Directive on the complete installation.
6. The start time was tested under the situation of cold star, continuous switching on/off may raise the start time.

■ Mechanical Specification

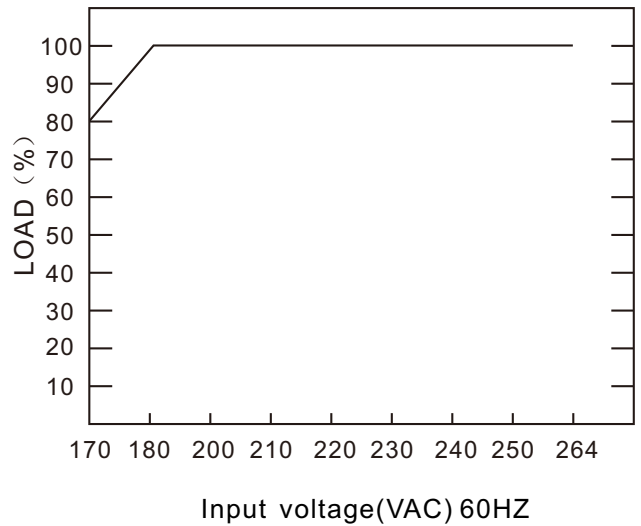
Case No. D0185 Unit: mm



■ Derating Curve



■ Static Characteristics



The above is Taurus standard product, customized product is available. We TAURAS has the right to ultimate interpretation.

| | | | | | |
|--------------|--|-----------------|--|--|--------------|
| Designed by | | Standardization | | D0185 type | Version: 2.0 |
| Corrected by | | Approved by | |  珠海市金兴科技有限公司 ZHUHAI TAURAS TECHNOLOGIES CO., LTD | |
| Checked by | | | | | |