

Project name

Type

QTY



◆Feature

- .Constant voltage design;
- .Universal 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: 90%;
- .CE\UL\IP66 certified, RoHS compliant;
- .100% full load burn-in test.



VFX-24300D1540

| SPECIFICATION | | |
|--------------------|----------------------------------|---|
| Model Number | | VFX-24300D1540 |
| Output | DC Voltage | 24V |
| | Rated current | 3×4A |
| | Current range | 3×96W |
| | Rated power | 288W |
| | Ripple and Noise(max.) Note4 | 240mVp-p |
| | Voltage tolerance Note3 | ±2% |
| | Line regulation | ±0.5% |
| | Load regulation | ±1% |
| | Output groups | 3 |
| | Set up time Note6 | 2000ms, 50ms(at full load) 110Vac/230Vac |
| Holding time(Typ.) | 15ms(at full load) 110Vac/230Vac | |
| Input | Voltage range Note 2 | 90~305Vac or 127~432Vdc |
| | Frequency range | 47~63Hz |
| | Power factor(Typ.) | PF≥0.50/110V(at full load) PF≥0.45/230V(at full load) |
| | Efficiency(Typ.) | 90.0% |
| | AC current | 6.48A/110Vac 3.45A/230Vac |
| | Inrush current(Typ.) | Cold start: 60A/230Vac |
| | Leakage current | <0.75mA/240Vac |
| Protection | Over load | 110%-130% 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 | 24.5-35.0V Protection type: Hiccup mode, recovers automatically after fault conditions removed |
| | Over temperature | Ta:55~65°C Protection mode: Power off the output voltage, self-recovery when the temperature reduced |
| 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 (0~50°C) |
| Safe and EMC | Vibration | 10-300Hz, 1G 10min./cycle, period for 60min. each along X, Y, Z axes |
| | Safety standards | Compliance to UL8750,EN61347-1, EN61347-2-13, UI1815, 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 | / |
| Others | EMC Immunity | / |
| | MTBF | ≥200Khrs, MIL-HDBK-217F(25°C) |
| | Dimension | 275X117X45.5mm(L*W*H) |
| Packing | | 2.7Kg/PCS, 5PCS/13.5Kg/box, (375X340X175mm) |

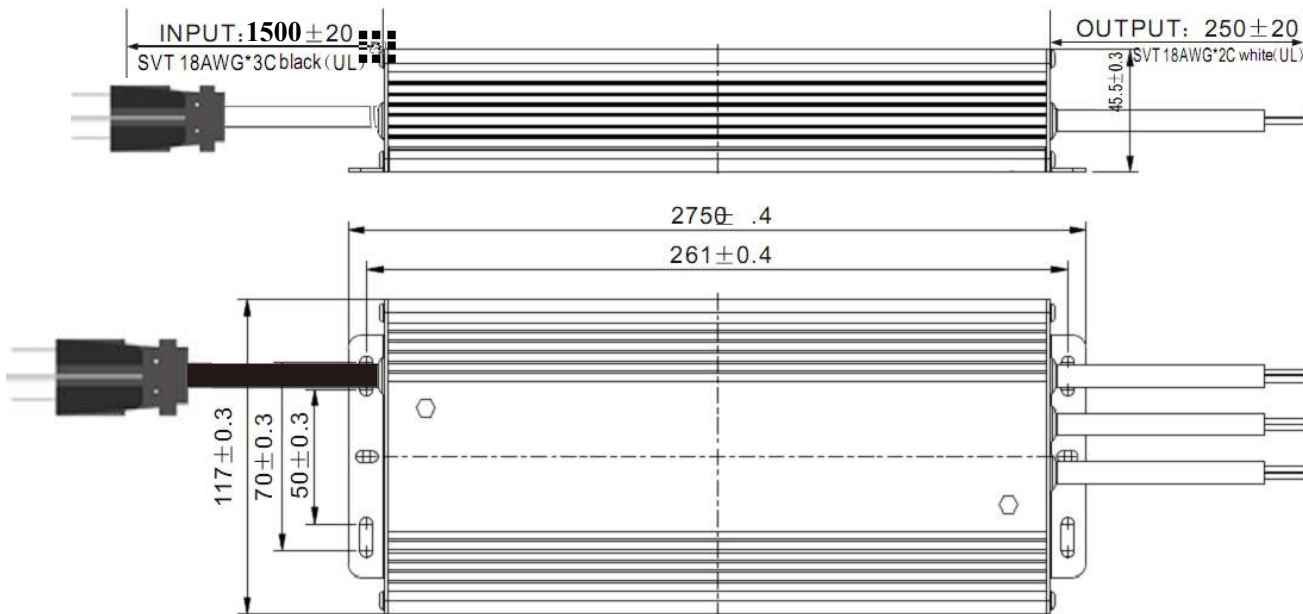
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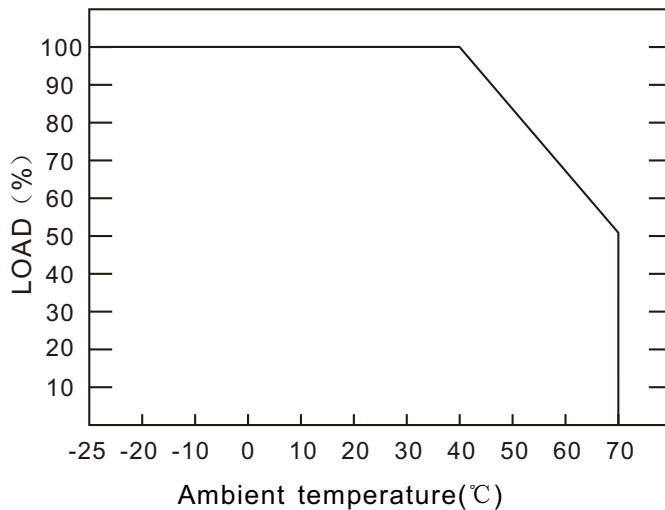
QTY

■ Mechanical Specification

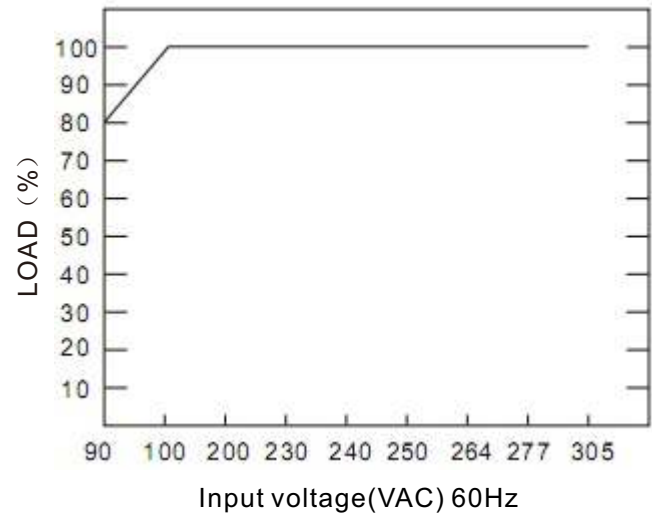
Case No. D1540 Unit: mm



■ Derating Curve



■ Output the Derating Curve



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.