

Project name



Features

- .Constant voltage design.Universal AC input / Full range
- .Small dimension, High efficiency, High reliability, Long lifetime
- .Ip66 design for outdoor installation
- .Working temperature: -25~60°C
- .Protections: Overload, Over voltage, Short-circuit, etc.
- .Typical efficiency: 88.5%
- .UL\CE\IP66 certified, RoHS compliant
- .Class 2 power unit(except for VF-12100D1570)
- .100% full load burn-in test.



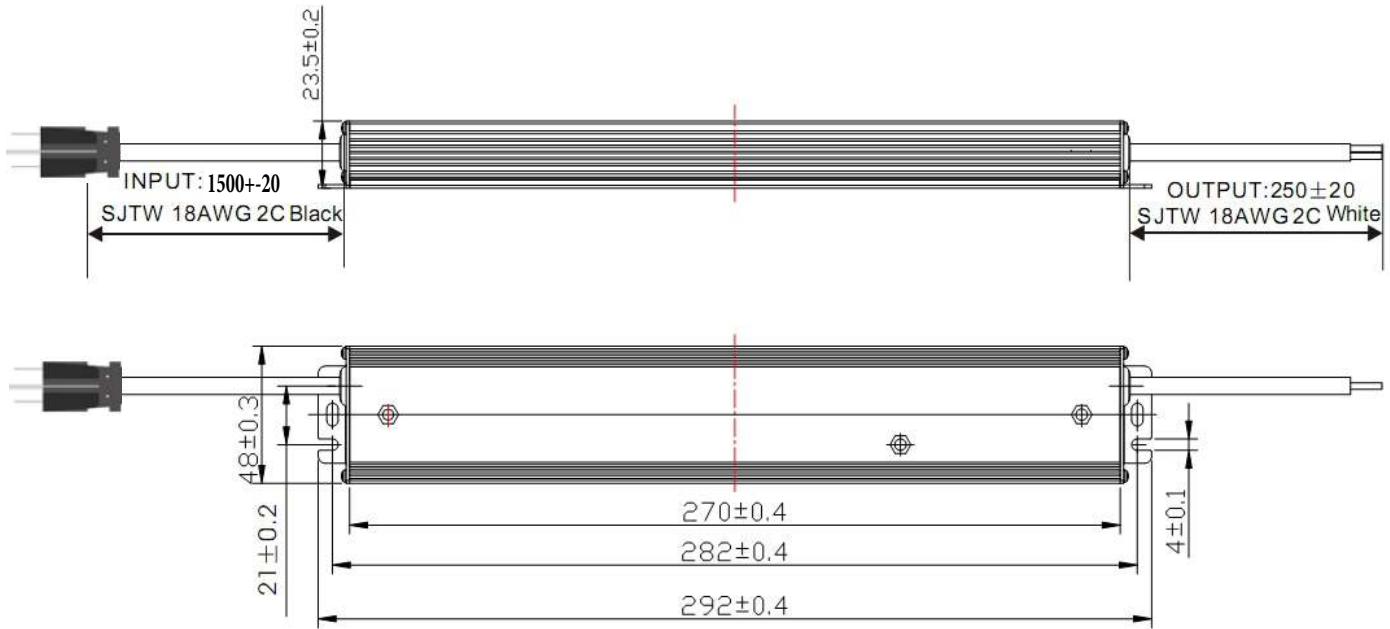
SPECIFICATION		
Model Number		
Output	DC Voltage	24V
	Rated current	4A
	Current range	0-4A
	Rated power	96W
	Ripple and Noise(max.) Note4	240mVp-p
	Voltage tolerance Note3	±2%
	Line regulation	±0.5%
	Load regulation	±1%
	Output groups	1
	Set up time Note6	2000ms, 50ms(at full load) 100Vac/277Vac
	Holding time(Typ.)	15ms(at full load) 100Vac/277Vac
Input	Voltage range Note 2	90~305Vac or 127~430Vdc
	Frequency range	47~63Hz
	Power factor(Typ.)	PF≥0.50/100V(at full load) PF≥0.45/277V(at full load)
	Efficiency(Typ.)	88.5%
	AC current	1.6A/100Vac 0.85A/230Vac 0.75A/277Vac
	Inrush current(Typ.)	Cold start: 55A/230Vac
	Leakage current	<0.75mA/240Vac
Protection	Over load	105%-135% of the rated output power Protection mode: Hiccup mode, 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	100°C±10°C(RTH2) Protection type: Shut down O/P voltage, recovers automatically after temperature goes down.
Environment	Working temperature	-25°C~+60°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 UL8750,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
	Insulation resistance	I/P-O/P, 100Mohms/500Vdc 25°C/70%RH
	EMC Emission	/
	EMC Immunity	/
Others	MTBF	≥200Khrs, MIL-HDBK-217F(25°C)
	Dimension	292X48X23.5mm(L*W*H)
	Packing	0.65Kg/PCS, 20PCS/13Kg/box, (363X315X155mm)

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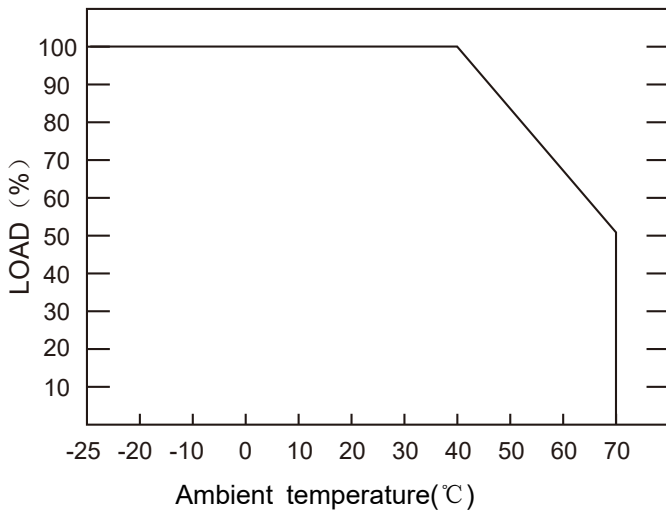
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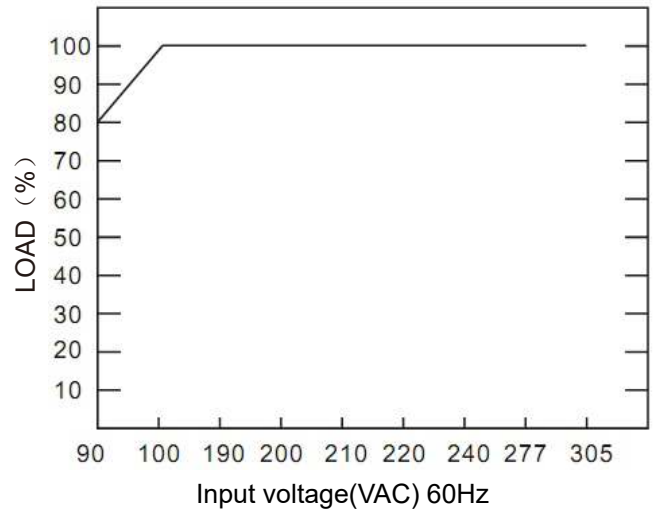
■ Mechanical Specificatio



■ Derating Curve



■ Static Characteristic



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.