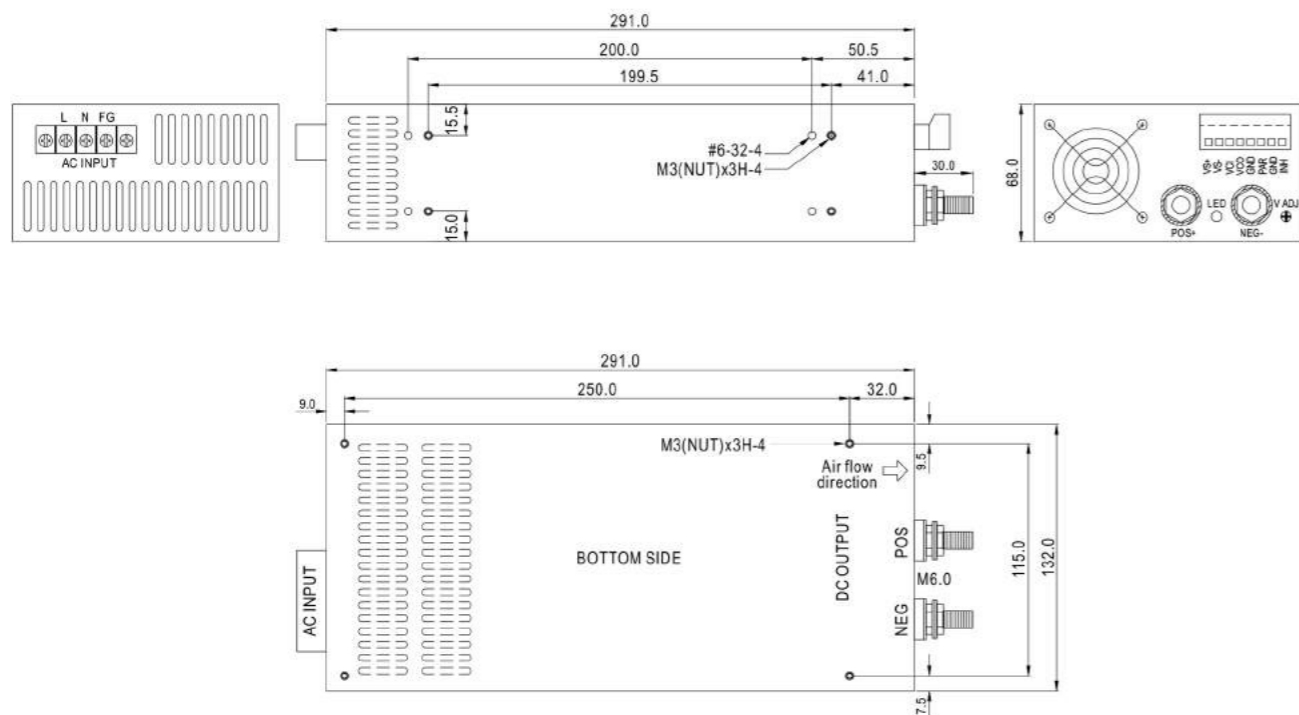


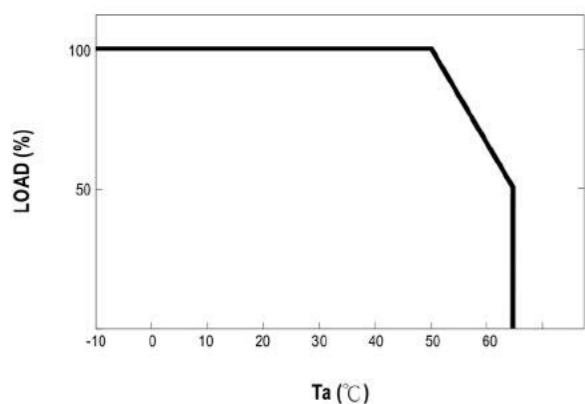
1000W Single Output Switching Power Supply

■ Mechanical Specification

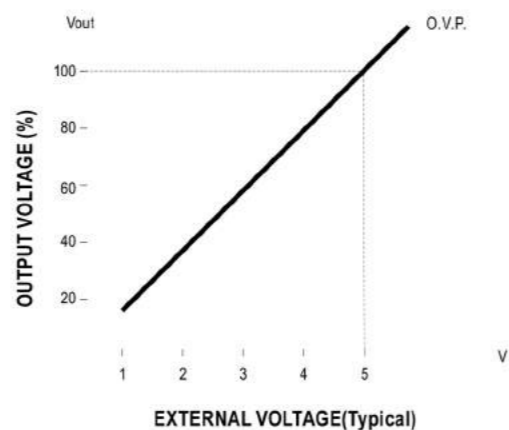
Unit:mm



■ Derating Curve



■ External DC Control VS Output Voltage



1000W Single Output Switching Power Supply



■ Features :

- AC input range selected by switch
- Protections: Short circuit/ Over voltage/Over load/ Over temp.
- High reliability/ Low ripple noise
- Can adjust from 20~100% output voltage by external control 1-5V
- Forced air cooling by built-in DC fan
- Case coating with paint
- 2 years warranty

SPECIFICATION



ORDER NO.	S-1000-5	S-1000-12	S-1000-15	S-1000-18	S-1000-24	S-1000-48
SAFETY MODEL NO.	1000S-N005	1000S-N012	1000S-N015	1000S-N018	1000S-N024	1000S-N048
DC VOLTAGE	5V	12V	15V	18V	24V	48V
RATED CURRENT	150A	80A	60A	55A	41A	20A
CURRENT RANGE	0 ~ 150A	0 ~ 80A	0 ~ 60A	0 ~ 55A	0 ~ 41A	0 ~ 20A
RATED POWER	750W	960W	900W	990W	984W	960W
RIPPLE & NOISE (max.) Note.2	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	480mVp-p
VOLTAGE ADJ. RANGE	±5.0% typical adjustment by potentiometer 20~100% adjustment by 1~5VDC external control					
VOLTAGE TOLERANCE Note.3	±1.5%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
LOAD REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
SETUP, RISE, HOLD TIME	800ms, 50ms, 16ms at full load					
VOLTAGE RANGE	90 ~ 130VAC / 180~260VAC selected by switch, 260~370VDC					
FREQUENCY RANGE	47~63Hz					
EFFICIENCY (Typ.)	77%	80%	81%	82%	85%	87%
AC CURRENT	11A / 115VAC 7.0A / 230VAC					
INRUSH CURRENT (max.)	60A / 230VAC					
LEAKAGE CURRENT	3.5mA / 240VAC					
OVER LOAD	101~115% 110~135% rated output power Protection type : Current limiting, delay shut down o/p voltage, re-power on to recover					
OVER VOLTAGE	110~135% follow to output set up point Protection type : Shut down o/p voltage, re-power on to recover					
OVER TEMPERATURE	>100°C / measure by heat sink, near transformer Protection type : Shut down o/p voltage, re-power on to recover					
WORKING TEMP.	-10~+65°C (Refer to output load derating curve)					
WORKING HUMIDITY	20%~90% RH non-condensing					
STORAGE TEMP., HUMIDITY	-20~+85°C, 10~95% RH					
TEMP. COEFFICIENT	±0.04% / °C (0~50°C)					
VIBRATION	10~200Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY STANDARDS	UL 1950, CSA22.2, IEC60950 Approved					
WITHSTAND VOLTAGE	I/P-O/P, I/P-FG:1500VAC					
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, 100M Ohms / 500VDC					
EMI CONDUCTION & RADIATION	Compliance to FCC part 15 class A					
HARMONIC CURRENT	----					
EMS IMMUNITY	----					
MTBF	120khrs min. MIL-HDBK-217F (25°C)					
DIMENSION	291*132*68mm (L*W*H)					
PACKING	2.6kg; 8pcs/ 24kg/ CARTON					
SPECIAL FUNCTION	DC voltage adj., Remote sensing, remote control, parallel operation (refer to terminal instruction manual)					
NOTE	1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH. Ambient. 2.Tolerance: includes set up tolerance, line regulation, load regulation. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.					