

P/N: N1048GL-19

48W 19VDC Single Output



Size: 101.6 x 50.8 x 30mm (LxWxH)

Features:

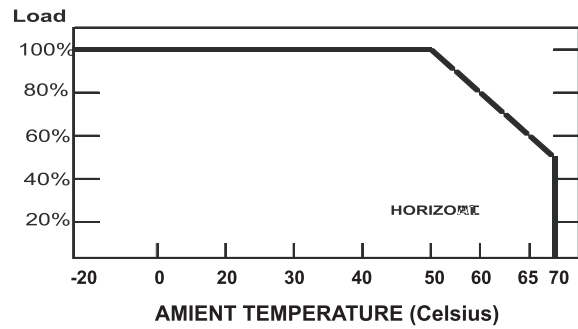
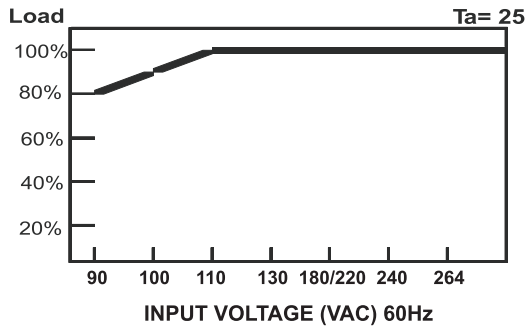
- * Universal AC input 90~264Vac.
- * 4"*2" miniature size.
- * Operation from -20℃~50℃ full load.
- * Protections: SCP / OVP / OLP.
- * No load power consumption < 0.75W.
- * 105℃ Main electrolytic capacitor

Specifications:

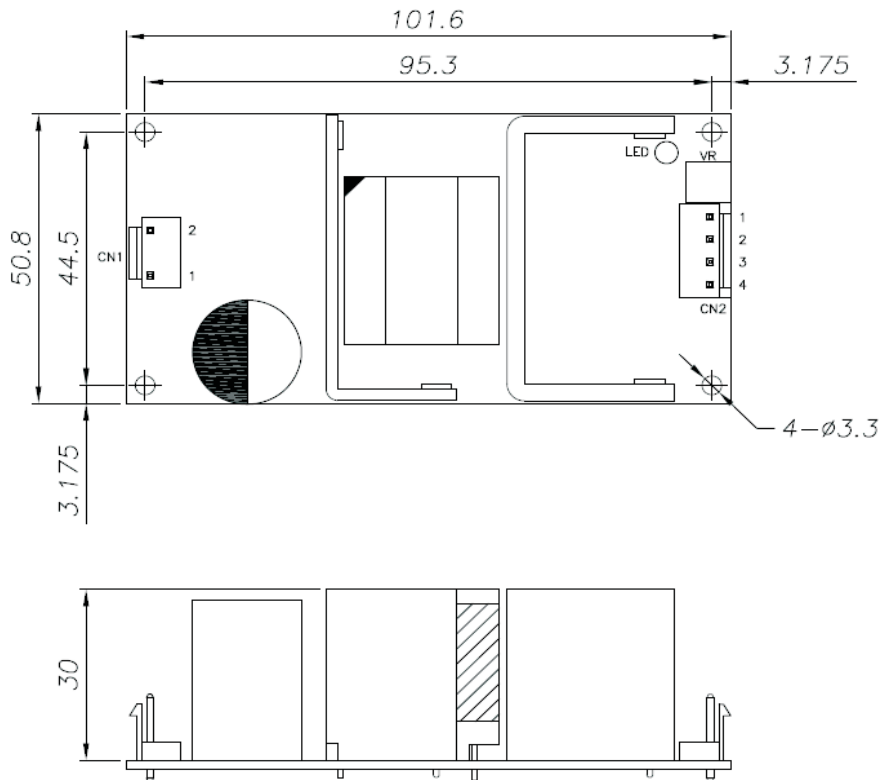


Model No.	N1048GL-19	
Output	DC Voltage	19V
	Rated Current Range	0~2.3A
	Rated Power	48W
	Ripple&Noise(Max.) Note.2	150mV
	Efficiency @230Vac(Typ.)	84%
	Voltage Adjustment Range	18~20V
	Voltage Tolerance Note.3	±1%
	Rise Time	<30ms at full load
	Set up Time (Max.)	500ms/230vac 500ms/115vac, at cold first start.
	Hold Time (Typ.)	70ms/230Vac 15ms/115Vac at full load.
Input	Voltage Range	90 Vac ~ 264 Vac or 127~370VDC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current (Typ.)	1A at 115VAC / 0.65A at 230VAC
	Inrush Current (Typ.)	30A at 115VAC / 60A at 230 VAC (COLD START)
	Leakage Current	<0.75mA / 240 Vac
Protections	Over Load	115~150% rated output power. Type: Hiccup mode, Recovers automatically after fault condition is removed.
	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed.
	Over Voltage	17.3~21V Type: Latch mode, re-power on to recover.
Environment	Operation Temp.	-20℃~50℃ full load, 50℃~70℃ (Refer to output load derating curve)
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-40 ~ +80℃
	Storage Humidity	10% ~ 90% RH
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
Safety & EMC	Safety Standards	UL60950-1, TUV EN60950-1, Approved.
	Withstand Voltage	I/P - O/P: 3 K VAC I/P - FG: 1.5KVAC O/P - FG: 0.5KVAC
	Isolation Resistance	100M ohms / 500VDC at 25 °C : I/P-O/P, I/P-FG, O/P-FG
	EMI Conduction&Radiation	Compliance to EN55022 class B, CISPR22 class B
	Harmonic Current	Compliance to EN61000-3-2,-3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11 Light industry level, criteria A
Others	MTBF	300k hours min. MIL-HDBK-217F(25℃)
	Dimension(L*W*H)	101.6*50.8*30mm
	Packing(L*W*H)/Carton	
	Weight	0.15KG/PCS N.W: 15.4KG/Carton
Note	<ol style="list-style-type: none"> 1. All specifications not specially mentioned are measured at 230Vac and 25℃ ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 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. 5. Mounting Holes A, B must be grounded for EMI and Safety purposes. 	

Derating Curve



Mechanical



AC Input Connector (CN1): WST M3-I39606S or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1	AC/N	WST P3-I39606 or equivalent	WST I39606PS-2 or equivalent
2	AC/L		

DC Output Connector (CN2): WST M4-I39606 or equivalent

Pin No.	Assignment	Mating Housing	Terminal
1,2	+V	WST P4-I39606 or equivalent	WST I39606PS-2 or equivalent
3,4	-V		