

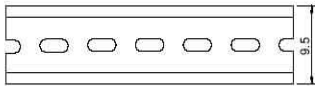
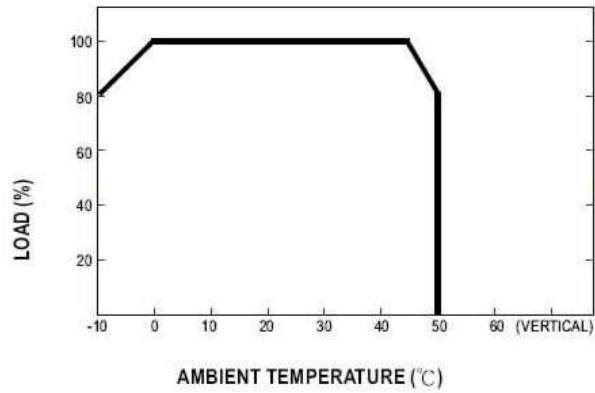
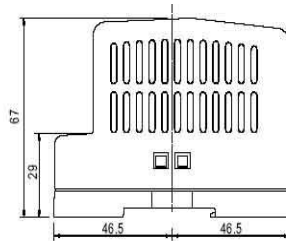
This power supply is recommended for panel installations of Gatecraft products, or where the included desktop power adapter does not meet your requirements.

Example instances where you may prefer this supply:

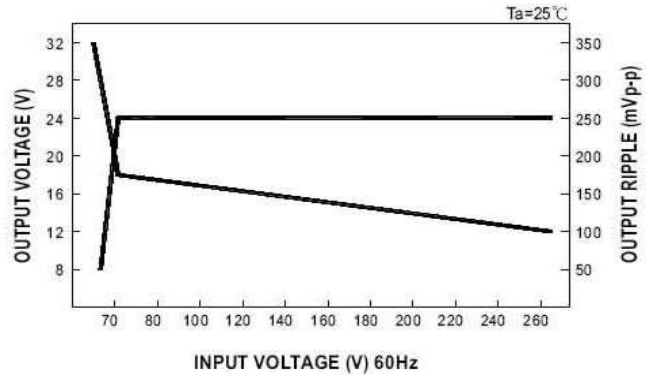
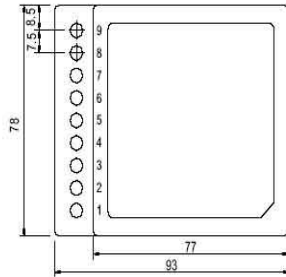
- ◇ Panel/cabinet mount installations
 - ◇ Where UL approval is required
 - ◇ When DIN rail mounting is desired
 - ◇ When more robust power supply is desired (fused, less AC line noise, industrial power connections)



Features	
✓	Universal AC input / Full Range 85-264 VAC
✓	DC compatible input 120 to 370 VDC
✓	Short circuit protection
✓	Over load protection
✓	Over voltage protection
✓	Over temperature protection
✓	DIN-Rail mountable
✓	Cooled by free air convection
✓	100% full load burn-in test
✓	UL 508 Approved
✓	Fix switching frequency at 100 KHz
✓	LED indicator



Install DIN rail TS35/7.5 or TS35/15



Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	6,7	DC OUTPUT+V
2	AC/N	8	LED
3	FG Ⓢ	9	+VADJ.
4,5	DC OUTPUT-V		



Hardware Specifications

Output		Input	
DC Voltage	24VDC	Voltage Range	85 to 264 VAC 120 to 370 VDC
Rated Current	2A	Frequency Range	47~63 Hz
Current Range	0 to 2A	Efficiency (typ.)	80%
Rated Power	45 W	AC Current	1.5A/115 VAC 0.75A/230 VAC
Ripple & Noise (max.)	480mVp-p * see note 1	Leakage Current	<1 mA/240 VAC
Voltage Tolerance	±1% * see note 2	Inrush Current (max.)	Cold Start 30 A/115 VAC Maximum 60 A/230 VAC
Line Regulation			
Load Regulation			
Setup	800 ms	Protection	
Rise	60 ms	Overload	105 ~ 150% rated output power
Hold Time	50 ms/230 VAC at full load		Type: Constant Current limiting, recovers automatically after fault condition is removed
Voltage Adjustment Range	21.6 ~ 26.4 V	Over Voltage	27.6 ~ 32.4 V Shut down o/p voltage, re-power on to recover
Environment		Oven Temp	Tj 135 °C typically (U1) Detected on heat sink of power transistor
Working Temp	-10 to 50°C		Type: shut down o/p voltage, recovers automatically after temperature goes down
Working Humidity	20 to 90% RH non-condensing	Other	
Storage Temp	-20 to 85°C	MTBF	364.6 K hrs min MIL-HDBK-217 F (25 °C)
Storage Humidity	10-95% RH non-condensing	Dimensions	93 × 78 × 67mm (L × W × H)
Temp Coefficient	±0.03% / °C (0 to 50°C)	Notes	
Vibration	10 to 500Hz, 2G 10min/1 cycle, period for 60min each along X, Y, Z axes vibration	1. Ripple & noise are measured at 20 Mhz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.	
Safety & EMC * see note 3		2. Tolerance: includes set up tolerance, line regulation and load reagination.	
Safety Standards	UL508, TUV EN60950 Approved	3. The power supply is considered a component to be installed into final equipment. The final equipment must be re-confirmed to see that it still meets EMC directives.	
EMI Conduction & Radiation	EN55011, EN55022 (CISPR22) Class B		
Harmonic Current	EN61000-3-2,-3		
Withstanding Voltage	I/P-O/P: 3 KVAC I/P-FG: 1.5 KVAC O/P-FG: 0.5 KVAC		
Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG: 100 M Ohms/500 VD		
EMS Immunity	EN61000-4-2,3,4,5,6,8,11, ENV50204, EN55024, EN61000-6-2 (EN50082-2) Heavy industry level, criteria A		

