



■ Features :

- Universal AC input / Full range
- Built-in active PFC function
- No load power consumption <0.5W
- Energy efficiency Level V
- Comply with EISA 2007, NRCAN, AU/NZ MEPS and EU ErP
- 3 pole AC inlet IEC320-C14
- Class I power (with earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Fanless design, cooling by free air convection
- LED indicator for power on
- 2 years warranty



SPECIFICATION

ORDER NO.	GS280A12-C4P	GS280A15-C4P	GS280A20-C4P	GS280A24-C4P	GS280A48-C4P	
OUTPUT	SAFETY MODEL NO.	GS280A12	GS280A15	GS280A20	GS280A24	GS280A48
	DC VOLTAGE <small>Note.2</small>	12V	15V	20V	24V	48V
	RATED CURRENT	18.5A	16A	13A	11.67A	5.84A
	CURRENT RANGE	0 ~ 18.5A	0 ~ 16A	0 ~ 13A	0 ~ 11.67A	0 ~ 5.84A
	RATED POWER (max.)	222W	240W	260W	280.08W	280.32W
	RIPPLE & NOISE (max.) <small>Note.3</small>	120mVp-p	120mVp-p	150mVp-p	280mVp-p	280mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%
	LINE REGULATION <small>Note.5</small>	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±5.0%	±5.0%	±4.0%	±3.0%	±2.0%
	SETUP, RISE TIME <small>Note.6</small>	2000ms, 20ms / 230VAC	2000ms, 20ms / 115VAC	at full load		
HOLD UP TIME (Typ.)	16ms / 230VAC	16ms / 115VAC	at full load			
INPUT	VOLTAGE RANGE <small>Note.7</small>	90 ~ 264VAC	127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF>0.95 / 230VAC	PF>0.98 / 115VAC	at full load		
	EFFICIENCY (Typ.)	89%	89.5%	92%	93%	94%
	AC CURRENT (Typ.)	3A / 115VAC	1.5A / 230VAC			
	INRUSH CURRENT (max.)	120A / 230VAC				
PROTECTION	OVERLOAD	105 ~ 135% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed				
	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover				
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover				
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°C (Refer to "Derating Curve")				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH				
	TEMP. COEFFICIENT	±0.03% / °C (0~40°C)				
SAFETY & EMC (Note. 8)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950-1, BSMI CNS14336, CCC GB4943, PSE J60950-1(except for 48V) approved				
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH				
	EMC EMISSION	Compliance to EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1				
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A				
	MTBF	173.6Khrs min. MIL-HDBK-217F(25°C)				
	DIMENSION	220*95*46mm (L*W*H)				
CONNECTOR	PACKING	1.25Kg; 12pcs/16Kg/1.27CUFT				
	PLUG	See page 2 ; Other type available by customer requested				
NOTE	CABLE	See page 2 ; Other type available by customer requested				
		<ol style="list-style-type: none"> 1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. 2. DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4. Tolerance: includes set up tolerance, line regulation, load regulation. 5. Line regulation is measured from low line to high line at rated load. 6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. 7. Derating may be needed under low input voltage. Please check the derating curve for more details. 8. The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) 				

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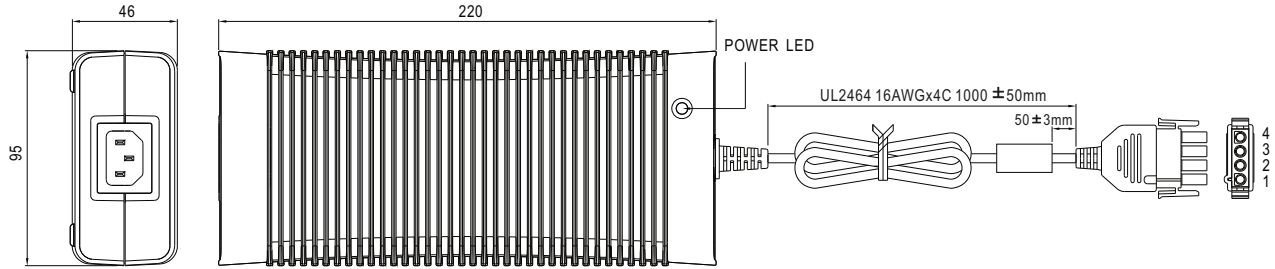
Specifications are subject to change without notice. It is responsibility of each customer to thoroughly test each product and part number under their unique parameters and environments to ensure a product will work properly and reliably.

Click below for more details, to buy on-line or request volume pricing:
<http://power.sager.com/mean-well-GS280-power-supply.html>

(866) 588-1750
power@sager.com
<http://power.sager.com>

■ Mechanical Specification

Case No. GS280A Unit:mm



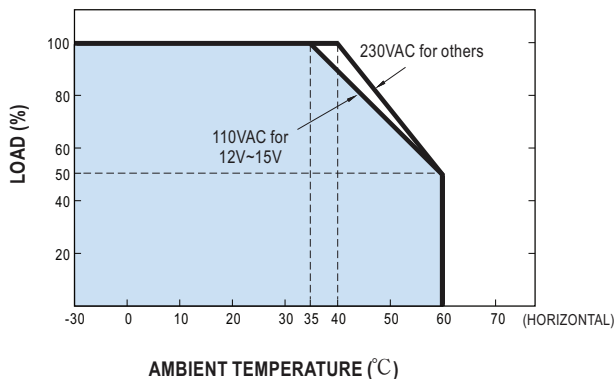
■ Plug Assignment

Standard power supply model's male connector : Housing AMP 1-480702-0 with inner pin 9848TP (6.35mm), or equivalent
 Female connector (not provided with the power supply) : Housing AMP 1-480703-0 with inner pin 9848TR (6.35mm), or equivalent

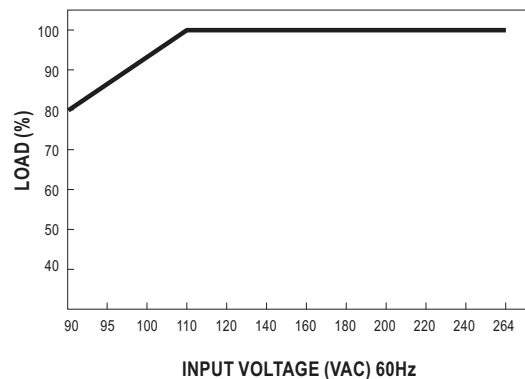
C4P		
PIN NO.	OUTPUT	
1,2	+V	
3,4	-V	-V connected to AC FG

Female plug(customer side, not provide with the power supply): AMP 1-480703-0 equivalent

■ Derating Curve



■ Static Characteristics



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