



■ Features :

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.95
- Fanless design, cooling by free air convection
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case
- Approvals: UL / CUL / PSE / TUV / BSMI / CCC / CB / FCC / CE
- Class I power (with earth pin)
- LED indicator for power on
- No load power consumption<0.5W
- ErP step2 compliant (level V)
- NRCan compliant
- MEPS compliant
- Meet EISA 2007(Energy Independence and Security Act)
- 2 years warranty



(except for 48V)



(only for 12v/15v)

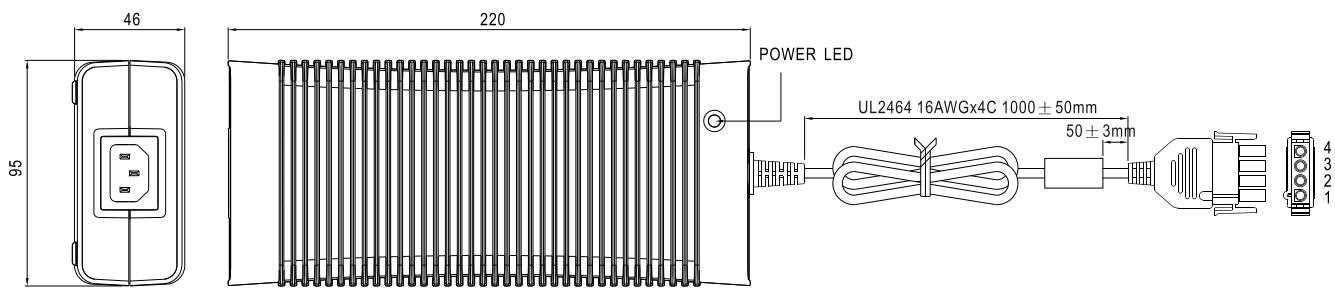


SPECIFICATION

ORDER NO.	GS280A12-C4P	GS280A15-C4P	GS280A20-C4P	GS280A24-C4P	GS280A48-C4P
OUTPUT	SAFETY MODEL NO.	GS280A12	GS280A15	GS280A20	GS280A24
	DC VOLTAGE Note.2	12V	15V	20V	24V
	RATED CURRENT	18.5A	16A	13A	11.67A
	CURRENT RANGE	0 ~ 18.5A	0 ~ 16A	0 ~ 13A	0 ~ 11.67A
	RATED POWER (max.)	222W	240W	260W	280.08W
	ripple & noise (max.) Note.3	120mVp-p	120mVp-p	150mVp-p	280mVp-p
	VOLTAGE TOLERANCE Note.4	± 5.0%	± 5.0%	± 4.0%	± 3.0%
	LINE REGULATION Note.5	± 1.0%	± 1.0%	± 1.0%	± 1.0%
	LOAD REGULATION	± 5.0%	± 5.0%	± 4.0%	± 3.0%
	SETUP, RISE TIME Note.6	2000ms, 20ms / 230VAC	2000ms, 20ms / 115VAC at full load		
INPUT	HOLD UP TIME (Typ.)	16ms / 230VAC	16ms / 115VAC at full load		
	VOLTAGE RANGE Note.7	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%
	AC CURRENT (Typ.)	3A / 115VAC	1.5A / 230VAC		
	INRUSH CURRENT (max.)	120A / 230VAC			
PROTECTION	LEAKAGE CURRENT(max.)	1.5mA / 240VAC			
	OVERLOAD	105 ~ 135% rated output power			
		Protection type : Hiccup mode, recovers automatically after fault condition is removed			
ENVIRONMENT	OVER VOLTAGE	105 ~ 135% rated output voltage			
		Protection type : Shut down o/p voltage, re-power on to recover			
SAFETY & EMC (Note. 8)	OVER TEMPERATURE	100°C ± 10°C(RTH2)			
		Protection type : Shut down o/p voltage, re-power on to recover			
	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			
OTHERS	TEMP. COEFFICIENT	± 0.03% / °C (0~40°C)			
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, J60950-1(except for 48V) approved			
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC			
CONNECTOR	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 class B			
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A			
NOTE	MTBF	173.6Khrs min. MIL-HDBK-217F(25°C)			
	DIMENSION	220*95*46mm (L*W*H)			
	PACKING	1.25Kg; 12pcs/16Kg/1.27CUFT			
CABLE	PLUG	See page 2 ; Other type available by customer requested			
	CABLE	See page 2 ; Other type available by customer requested			
NOTE	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.			

■ Mechanical Specification

Case No. GS280A Unit:mm



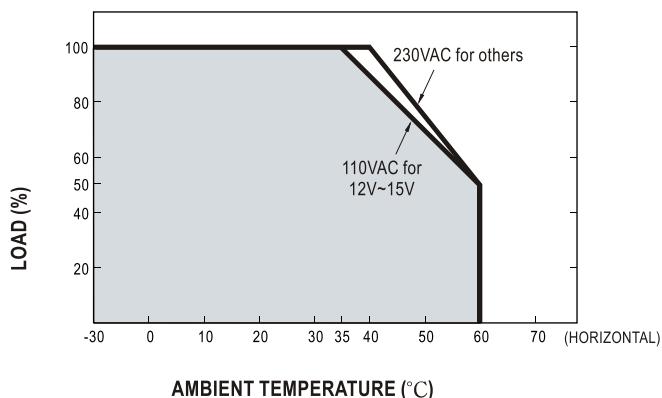
■ Plug Assignment

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

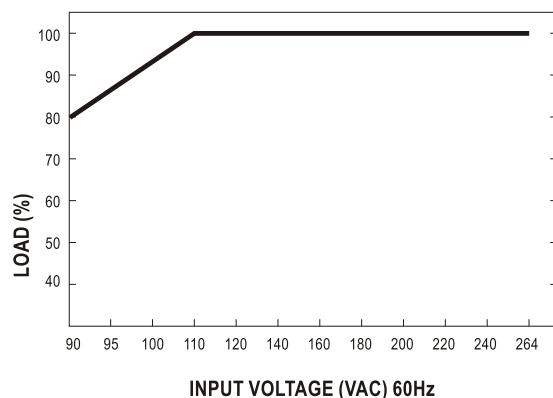
C4P		
	PIN NO.	OUTPUT
4	1,2	+V
3,2,1	3,4	-V connected to AC FG

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

■ Derating Curve



■ Static Characteristics



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Mean Well:

[GS280A48-C4P](#) [GS280A15-C4P](#) [GS280A20-C4P](#) [GS280A24-C4P](#) [GS280A12-C4P](#)