



■ 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

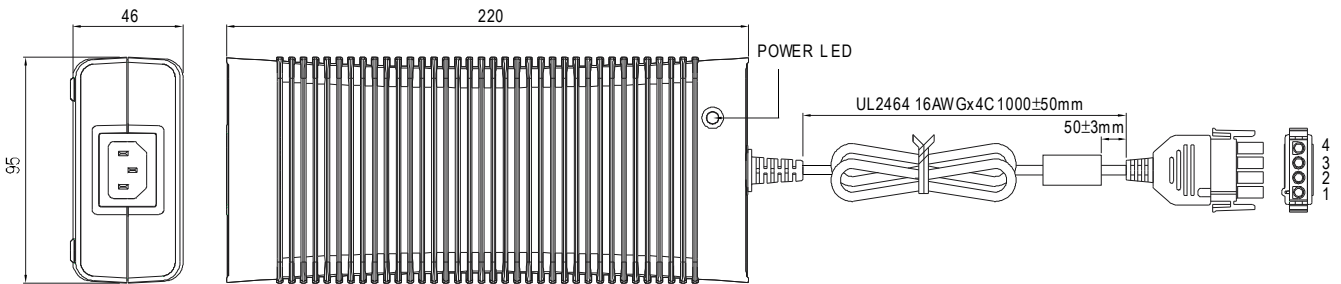


SPECIFICATION

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				
LEAKAGE CURRENT(max.)	1.5mA / 240VAC					
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	100°C±10°C (RTH2) Protection type : 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)				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, 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 class B				
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				
	CABLE	See page 2 ; Other type available by customer requested				
NOTE	<ol style="list-style-type: none"> <li>1. All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</li> <li>2. DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</li> <li>3. Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</li> <li>4. Tolerance: includes set up tolerance, line regulation, load regulation.</li> <li>5. Line regulation is measured from low line to high line at rated load.</li> <li>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.</li> <li>7. Derating may be needed under low input voltage. Please check the derating curve for more details.</li> <li>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.</li> </ol>					

■ Mechanical Specification

Case No. GS280A Unit:mm



■ Plug Assignment

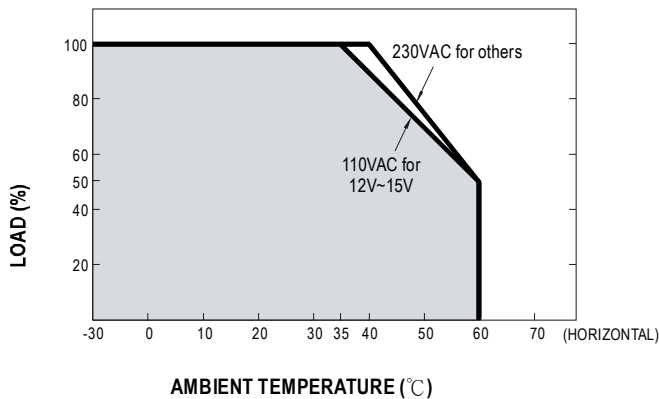
Standard male plug(power supply side): AMP 1-480702-0 equivalent

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

