



### ■ Features :

Universal AC input / Full range

- 3 pole AC inlet IEC320-C14
- High efficiency up to 91%
- Low leakage current <100 A
- Protections: Short circuit / Overload / Over voltage/ Over temperature
- Fully enclosed plastic case
- Medical safety approved (2xMOPP between primary to secondary)
- Class I power (with earth pin)
- LED indicator for power on
- No load power consumption<0.1W
- ErP step2 compliant (level )
- Meet EISA 2007 (Energy Independence and Security Act)
- Optional lock type DC plug
- 3 years warranty





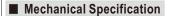


### **SPECIFICATION**

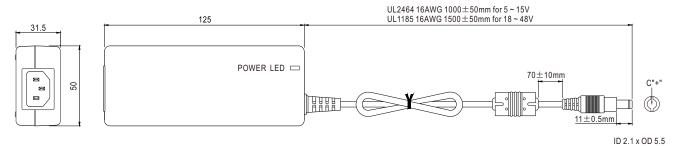
ORDER NO.		GSM60A05-P1J	GSM60A07-P1J	GSM60A09-P1J	GSM60A12-P1J	GSM60A15-P1J	GSM60A18-P1J	GSM60A24-P1J	GSM60A48-P
	SAFETY MODEL NO.	GSM60A05	GSM60A07	GSM60A09	GSM60A12	GSM60A15	GSM60A18	GSM60A24	GSM60A48
ОИТРИТ	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	6A	6A	6A	5A	4A	3.33A	2.5A	1.25A
	CURRENT RANGE	0.1 ~ 6A	0.1 ~ 6A	0.1 ~ 6A	0.1 ~ 5A	0.1 ~ 4A	0.1 ~ 3.33A	0.1 ~ 2.5A	0.1 ~ 1.25A
	RATED POWER (max.)	30W	45W	54W	60W	60W	60W	60W	60W
	RIPPLE & NOISE (max.) Note.3	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%
	LINE REGULATION Note.5		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.5%
		1000ms, 30ms /			15VAC at full loa		_ 0.070	_ = 0.0 /0	
	HOLD UP TIME (Typ.)	50ms / 230VAC 15ms / 115VAC at full load							
INPUT	VOLTAGE RANGE	80 ~ 264VAC 113 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	81.5%	86%	87.5%	88%	88.5%	89%	90%	91%
	AC CURRENT (Typ.)	1.4A / 115VAC	1A / 230VAC			33.370	3370	0070	0.70
	INRUSH CURRENT (Typ.)	65A / 230VAC 30A/115VAC							
	LEAKAGE CURRENT(max.)	Earth leakage current < $100\mu$ A/264VAC , Touch current < $100\mu$ A/264VAC							
PROTECTION		105 ~ 160% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	5.25 ~ 6.75V		9.45 ~ 12.15V		15.75 ~ 20.25V		25.2 ~ 32.4V	50.4 ~ 64.8\
							10.5 24.50	25.2 52.41	30.7 07.01
		Protection type: Shut down o/p voltage, re-power on to recover  RTH2 > 70°C							
	OVER TEMPERATURE	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							
	TEMP. COEFFICIENT	±0.03% / °C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	ANSI/AAMI ES60601-1, TUV EN60601-1 approved							
SAFETY &	WITHSTAND VOLTAGE	I/P-O/P:4KVAC I/P-FG:2KVAC O/P-FG:SHORT							
EMC (Note. 6)	EMC EMISSION	Compliance to EN55011(CISPR11) class B, EN61000-3-2,3, FCC PART 15 class B							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61204-3 medical level, criteria A							
OTHERS	MTBF	720K hrs min. MIL-HDBK-217F(25°C )							
	DIMENSION	125*50*31.5mm (L*W*H)							
	PACKING		, ,	IFT					
CONNECTOR	PLUG	0.32Kg; 40pcs/ 13.8Kg/1.05CUFT  Standard type P1J: 2.1 \( \psi \times 5.5 \( \psi \times 11 \times 11 \times 1 \times 12 \times 14 \times 15 \times 14 \times 12 \times 14 \times 15 \times 14 \time							
	CABLE	7.				podiavo idi dido	it, other type av	ranable by eactor	nor roquotion
NOTE	All parameters are specifie     DC voltage: The output vol     Ripple & noise are measur     Tolerance: includes set up     Line regulation is measure     Length of set up time is me	See page 2; Other type available by customer requested at 230VAC input, rated load, 25°C 70% RH ambient. Itage set at point measure by plug terminal & 50% load. red at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. tolerance, line regulation, load regulation. d from low line to high line at rated load. easured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. dered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the							

7. 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.





Case No. GS60A Unit:mm



Outside ⊖ ⊕ ⊕ Inside

-V connected to AC FG

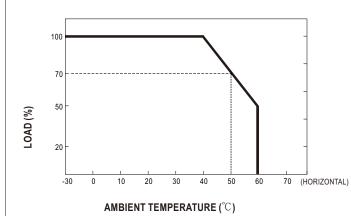
## ■ Plug Assignment

• Standard plug: P1J

P1J						
P/N	OUTPUT					
CENTER	+					

 Optronal lock type plug:P2S SWITCHCRAFT S761K plug equivalent

# ■ Derating Curve



### ■ Static Characteristics

