



## ■ Features :

- Universal AC input / Full range
- 2 pole EURO plug
- High efficiency up to 88%
- Low leakage current <50µA
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Medical safety approved (2 x MOPP between primary to secondary)
- Class II power (without earth pin)
- LED indicator for power on
- No load power consumption<0.1W</li>
- ErP step2 compliant (level V)
- Meet EISA 2007 (Energy Independence and Security Act)
- Optional lock type DC plug
- 3 years warranty







ORDER NO.		GSM18E05-P1J	GSM18E07-P1J	GSM18E09-P1J	GSM18E12-P1J	GSM18E15-P1J	GSM18E18-P1J	GSM18E24-P1J	GSM18E48-P1
	SAFETY MODEL NO.	GSM18E05	GSM18E07	GSM18E09	GSM18E12	GSM18E15	GSM18E18	GSM18E24	GSM18E48
ОИТРИТ	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	3A	2A	2A	1.5A	1.2A	1A	0.75A	0.375A
	CURRENT RANGE	0 ~ 3A	0 ~ 2A	0~2A	0 ~ 1.5A	0 ~ 1.2A	0 ~ 1A	0 ~ 0.75A	0 ~ 0.375A
	RATED POWER (max.)	15W	15W	18W	18W	18W	18W	18W	18W
	RIPPLE & NOISE (max.) Note.3	60mVp-p	80mVp-p	80mVp-p	120mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	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%	±2.0%	±2.0%
		500ms, 30ms / 2		00ms, 30ms / 115					
	HOLD UP TIME (Typ.)	16ms / 230VAC 16ms / 115VAC at full load							
INPUT	VOLTAGE RANGE	80 ~ 264VAC 113 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	81%	83%	84%	86%	87%	87%	87%	88%
	AC CURRENT (Typ.)	0.5A / 115VAC	0.25A / 230\		50 70	0.70	3. 70	10.70	0070
	INRUSH CURRENT (Typ.)	50A / 230VAC							
	LEAKAGE CURRENT(max.)	Touch current < 50 \( \alpha \)/264VAC							
PROTECTION		105~150% rated output power							
	OVERLOAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed							
		5.25 ~ 7.5V	7.88 ~ 10.13V		12.6 ~ 16.2V	15.75 ~ 20.25V		25.2 ~ 32.4V	50.4 ~ 64.8V
	OVER VOLTAGE						10.9 24.3 0	25.2 32.4 0	30.4 * 04.00
ENVIRONMENT	WORKING TEMP.	Protection type: Shut down o/p voltage, re-power on to recover  -30 ~ +60°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
		-40 ~ +85°C, 10 ~ 95% RH							
	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT								
	VIBRATION	±0.03% / °C (0~50°C)							
		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note. 7)	SAFETY STANDARDS WITHSTAND VOLTAGE	TUV EN60601-1 / 60601-1-11 approved							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55011(CISPR11) class B, EN61000-3-2,3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN60601-1-2, EN61204-3 medical level, criteria A							
	MTBF	K hrs min. MIL-HDBK-217F(25°C)							
	DIMENSION	79*54*33mm (L*W*H)							
	PACKING	Kg; 60pcs/ Kg/ CUFT  Standard type P1J: $2.1\phi$ * $5.5\phi$ * 11mm, tuning fork type, center positive for stock; Other type available by customer re-							
CONNECTOR	PLUG		· · · · ·		• • • • • • • • • • • • • • • • • • • •	positive for stoc	k; Other type av	allable by custor	ner requested
	CABLE	/		e by customer re					
NOTE	<ol> <li>All parameters are specified at 230VAC input, rated load, 25℃ 70% RH ambient.</li> <li>DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</li> <li>Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</li> <li>Tolerance: includes set up tolerance, line regulation, load regulation.</li> <li>Line regulation is measured from low line to high line at rated load.</li> <li>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>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>								



