



■ Features

- Ultra slim
- Universal AC input / Full range
- 2 pole USA plug
- No load power consumption <0.075W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- 3 years warranty

■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

■ Description

SGA25U is a 25W ultra slim wall-mounted style single-output green adaptor series, which is compact and convenient for carry. SGA25U is a class II power unit (without FG) equipped with the standard 2-Pin U.S. plug, accepting the input range from 90VAC to 264VAC. The whole series provides different models with output voltages ranging between 5VDC and 48VDC that it can satisfy the demands for various types of consumer electronic devices.

With the efficiency up to 88.5% and the extremely low no-load power consumption below 0.075W, SGA25U is compliant with the latest U.S. energy regulation EISA 2007/DoE(Level VI). The supreme feature allows the adaptor to save the energy when it is under either the operating mode or the standby mode. The entire series is approved for international safety regulations; moreover, it adopts the 94V-0 flame retardant plastic case that it can effectively prevent users from electric hazards.

■ Model Encoding

SGA 25 U 05 - P1J

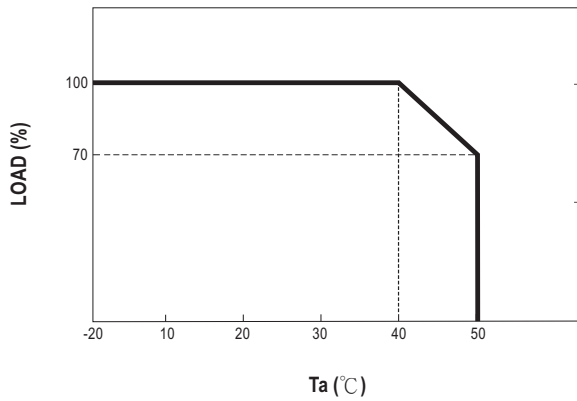
- DC plug type { P1J: Plug for standard model, 2.1 ψ $\times$ 5.5 ψ $\times$ 11mm, C+ tuning fork type
Optional plug type available per request
- Output voltage
- US 2 pin AC plug
- Output wattage
- Series name



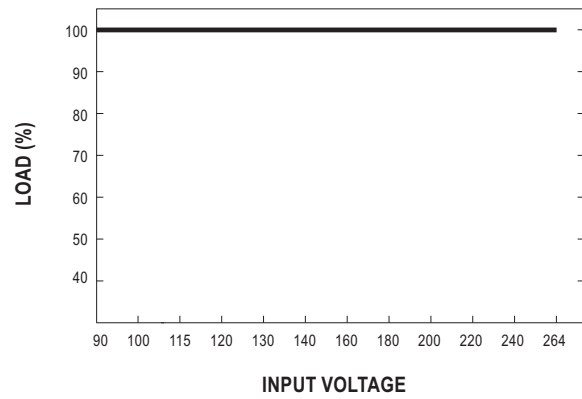
SPECIFICATION

ORDER NO.		SGA25U05-P1J	SGA25U07-P1J	SGA25U09-P1J	SGA25U12-P1J	SGA25U15-P1J	SGA25U18-P1J	SGA25U24-P1J	SGA25U48-P1J		
OUTPUT	SAFETY MODEL NO.	SGA25U05	SGA25U07	SGA25U09	SGA25U12	SGA25U15	SGA25U18	SGA25U24	SGA25U48		
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V		
	RATED CURRENT	4A	2.93A	2.77A	2.08A	1.66A	1.38A	1.04A	0.52A		
	CURRENT RANGE	0 ~ 4A	0 ~ 2.93A	0 ~ 2.77A	0 ~ 2.08A	0 ~ 1.66A	0 ~ 1.38A	0 ~ 1.04A	0 ~ 0.52A		
	RATED POWER (max.)	20W	22W	25W	25W	25W	25W	25W	25W		
	RIPPLE & NOISE (max.) Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	120mVp-p		
	VOLTAGE TOLERANCE Note.4	± 5.0%	± 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%	± 1.0%		
	LOAD REGULATION Note.6	± 5.0%	± 5.0%	± 5.0%	± 3.0%	± 3.0%	± 3.0%	± 2.0%	± 2.0%		
SETUP, RISE, HOLD UP TIME		300ms, 60ms, 18ms/230VAC 300ms, 60ms, 18ms/115VAC at full load									
INPUT	VOLTAGE RANGE Note.7	90 ~ 264VAC									
	FREQUENCY RANGE	47 ~ 63Hz									
	EFFICIENCY (Typ.)	82%	85.5%	86%	86%	86.5%	86.5%	87%	88.5%		
	AC CURRENT	0.65A / 115VAC 0.25A / 230VAC									
	INRUSH CURRENT (max.)	40A / 115VAC 60A / 230VAC									
LEAKAGE CURRENT(max.)		0.25mA / 240VAC									
PROTECTION	OVERLOAD	120 ~ 180% rated output power						150 ~ 250% rated output power			
		Protection type : Hiccup mode, recovers automatically after fault condition is removed									
	OVER VOLTAGE	110 ~ 140% rated output voltage									
Protection type : Clamp by zener diode, output short											
ENVIRONMENT	WORKING TEMP.	-20 ~ +60℃ (Refer to "Derating Curve")									
	WORKING HUMIDITY	20% ~ 90% RH non-condensing									
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH									
	TEMP. COEFFICIENT	± 0.03% / °C (0 ~ 40℃)									
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes									
SAFETY & EMC (Note. 8)	SAFETY STANDARDS	UL60950-1, CSA C22.2 approved									
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC									
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH									
	EMC EMISSION	Compliance to FCC PART15 / CISPR22 Class B									
OTHERS	LIFE	3 years : 100% load 40℃, 8hours / day									
	MTBF	450Khrs min. MIL-HDBK-217F(25℃)									
	DIMENSION	75.5*32*47.5mm (L*W*H)									
	PACKING	158g ; 60pcs / 10.5kg / CARTON									
CONNECTOR	PLUG	See page 3 ; Other type available by customer requested									
	CABLE	See page 3 ; Other type available by customer requested									
NOTE	1.All parameters are specified at 115VAC input, rated load, 25℃ 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.Load regulation is measured from 10% to 100% rated load 7.Derating may be needed under low input voltages. Please check the static characteristics 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)										

Derating Curve

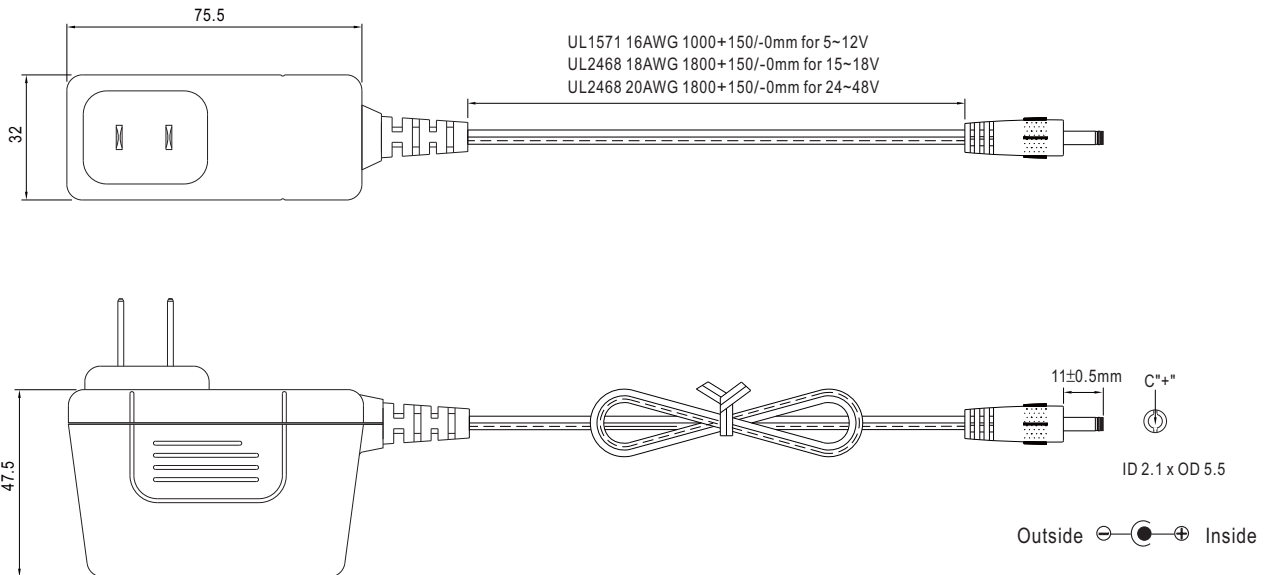


Static Characteristics



Mechanical Specification

Unit:mm



Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+

Installation Manual

Please refer to : <http://www.meanwell.com/webnet/search/InstallationSearch.html>

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