



















Features

- · Ultra slim
- · Universal AC input / Full range
- · 2 pole USA plug, Class Ⅱ power unit
- No load power consumption <0.075W
- Energy efficiency Level VI
- · Comply with EISA 2007/DoE
- Protections: Short circuit / Overload / Over voltage
- · Fully enclosed plastic case
- · Pass LPS
- · 3 years warranty

Applications

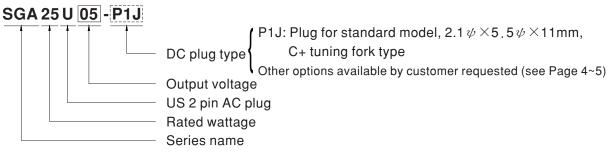
- · Consumer electronic devices
- Telecommunication devices
- · Office facilities
- · Industrial equipments

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 $\[mathbb{I}\]$ power unit (no 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.

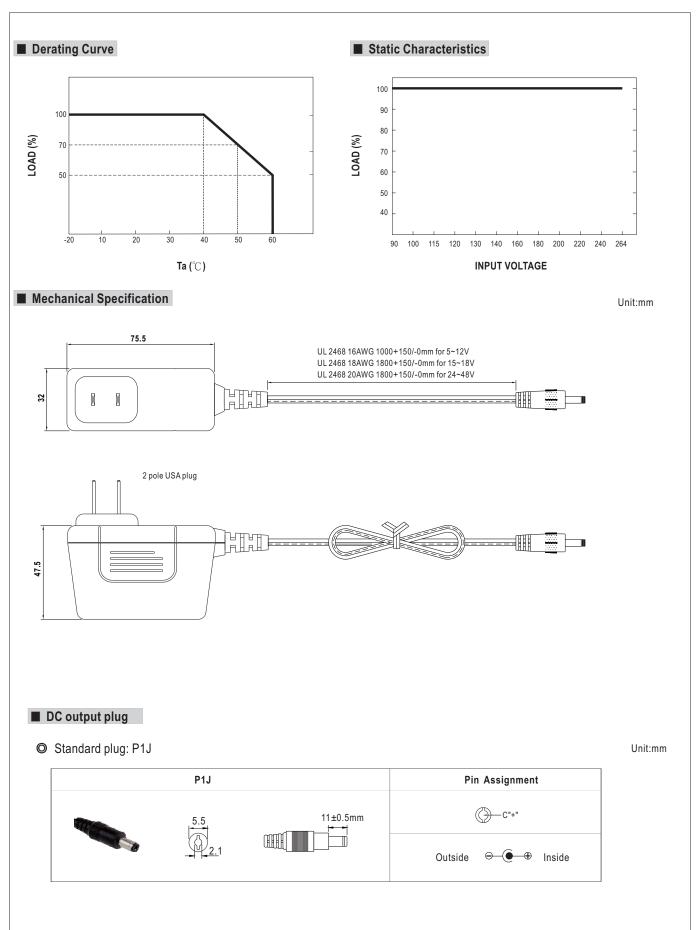
■ Model Encoding



SPECIFICATION

	4A 0 ~ 4A 20W 80mVp-p	SGA25U07 7.5V 2.93A 0~2.93A 22W 80mVp-p	SGA25U09 9V 2.77A 0~2.77A	SGA25U12 12V 2.08A	SGA25U15 15V 1.66A	SGA25U18 18V	SGA25U24 24V	SGA25U48 48V		
C VOLTAGE Note.2 ATED CURRENT JRRENT RANGE ATED POWER (max.) PPLE & NOISE (max.) Note.3 DLTAGE TOLERANCE Note.4 NE REGULATION Note.5	5V 4A 0 ~ 4A 20W 80mVp-p	7.5V 2.93A 0 ~ 2.93A 22W	9V 2.77A 0~2.77A	12V	15V	18V				
ATED CURRENT JRRENT RANGE ATED POWER (max.) PPLE & NOISE (max.) Note.3 DLTAGE TOLERANCE Note.4 NE REGULATION Note.5	4A 0 ~ 4A 20W 80mVp-p	2.93A 0 ~ 2.93A 22W	2.77A 0 ~ 2.77A				24V	48V		
JRRENT RANGE ATED POWER (max.) PPLE & NOISE (max.) Note.3 DLTAGE TOLERANCE Note.4 NE REGULATION Note.5	0 ~ 4A 20W 80mVp-p	0 ~ 2.93A 22W	0 ~ 2.77A	2.08A	166Δ					
ATED POWER (max.) PPLE & NOISE (max.) Note.3 DLTAGE TOLERANCE Note.4 NE REGULATION Note.5	20W 80mVp-p	22W			1.00A	1.38A	1.04A	0.52A		
PPLE & NOISE (max.) Note.3 DLTAGE TOLERANCE Note.4 NE REGULATION Note.5	80mVp-p		0514/	0 ~ 2.08A	0 ~ 1.66A	0 ~ 1.38A	0 ~ 1.04A	0 ~ 0.52A		
DLTAGE TOLERANCE Note.4 NE REGULATION Note.5		80m\/n-n	25W	25W	25W	25W	25W	25W		
NE REGULATION Note.5	±5.0%	oom p-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	80mVp-p	120mVp-p		
		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%		
DAD REGULATION Note.6	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%		
	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%		
TUP, RISE, HOLD UP TIME	300ms, 60ms, 1	8ms/230VAC	300ms, 60ms	, 18ms/115VAC	at full load					
DLTAGE RANGE	90 ~ 264VAC									
REQUENCY RANGE	47 ~ 63Hz									
FICIENCY (Typ.)	82%	85.5%	86%	86%	86.5%	86.5%	87%	88.5%		
,	0.65A / 115VAC	0.25A / 230	OVAC		1		1			
RUSH CURRENT (max.)	Cold start 40A	/ 115VAC 6	0A / 230VAC							
AKAGE CURRENT(max.)	0.25mA / 240VA	(C								
(EDLOAD	120 ~ 180% rat	ed output power								
/EKLUAD	Protection type: Hiccup mode, recovers automatically after fault condition is removed									
/ED VOLTA CE	110 ~ 140% rated output voltage									
PER VULIAGE										
ORKING TEMP.	-20 ~ +60°C (Refer to "Derating Curve")									
ORKING HUMIDITY	·									
	<u> </u>									
	Parameter									
MC ote. 7) EMC EMISSION		nission	FCC PART 1	FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)			ilass B			
	Radiated emis	Radiated emission FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)						Class B		
E	3 years : 100% I	oad 40°ℂ, 8hour	s / day							
BF										
MENSION	75.5*32*47.5mr	n (L*W*H)								
CKING	158g; 60pcs / 10.5kg / CARTON									
UG	See page 4~5; Other type available by customer requested									
CABLE See page 4~5; Other type available by customer requested										
2.DC voltage: The output volta 3.Ripple & noise are measure 1.Tolerance: includes set up to 5.Line regulation is measured 6.Load regulation is measured 7.The power supply is consider	age set at point and at 20MHz by olerance, line reform low line to all from 10% to 1 pered as an independent.	measure by plui using a 12" twis gulation, load re high line at rate 00% rated load pendent unit, bu	g terminal & 50% ted pair terminal gulation. ed load.	% load. ted with a 0.1μf ment still need to	o re-confirm that	the whole syste	•	n the		
C C C C C C C C C C C C C C C C C C C	CURRENT JSH CURRENT (max.) KAGE CURRENT (max.) KAGE CURRENT (max.) RLOAD R VOLTAGE RKING TEMP. RKING HUMIDITY P. COEFFICIENT RATION ETY STANDARDS HSTAND VOLTAGE LATION RESISTANCE CEMISSION KING G LE All parameters are specified OC voltage: The output voltage Colorance: includes set up to the ine regulation is measured to and regulation is measured to an analysis of the power supply is considered.	CURRENT 0.65A / 115VAC JSH CURRENT (max.) Cold start 40A KAGE CURRENT(max.) 120 ~ 180% rat Protection type 110 ~ 140% rate Protection type 110 ~ 140% rate Protection type 120 ~ +60°C (Re RKING TEMP. -20 ~ +60°C (Re RKING HUMIDITY -20 ~ +85°C, 10 P. COEFFICIENT ±0.03% / °C (Re RATION 10 ~ 500Hz, 2G ETY STANDARDS UL60950-1, CS HSTAND VOLTAGE I/P-O/P:4242VE LATION RESISTANCE I/P-O/P:100M CO Parameter Conducted em SEMISSION 75.5*32*47.5mm KING 158g; 60pcs / 1 G See page 4~5; All parameters are specified at 115VAC input Co voltage: The output voltage set at point Ripple & noise are measured at 20MHz by Folerance: includes set up tolerance, line re Line power supply is considered as an indep The po	CURRENT 0.65A / 115VAC 0.25A / 230 JSH CURRENT (max.) Cold start 40A / 115VAC 6 KAGE CURRENT(max.) 0.25mA / 240VAC RLOAD 120 ~ 180% rated output power Protection type: Hiccup mode, 110 ~ 140% rated output voltage Protection type: Clamp by zend RKING HUMIDITY 20% ~ 90% RH non-condensing RAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing Protection type: Clamp by zend 10 ~ 500Hz, 2G 10min./1cycle, Proceeding 10 ~ 500Hz, 2G 10 ~ 40°C, 8hour Proceeding 10 ~ 500Hz, 2G 10 ~ 40°C, 8hour Proceeding 10 ~ 500Hz, 2G 10 ~ 40°C, 8hour Proceeding 10 ~ 500Hz, 2G 10 ~ 40°C, 8hour Proceeding 10 ~ 500Hz, 2G 10 ~ 5	DURRENT 0.55A / 115VAC 0.25A / 230VAC JSH CURRENT (max.) Cold start 40A / 115VAC 60A / 230VAC RLOAD 120 ~ 180% rated output power Protection type : Hiccup mode, recovers autom R VOLTAGE 110 ~ 140% rated output voltage Protection type : Clamp by zener diode, output RKING TEMP20 ~ +60°C (Refer to "Derating Curve") RKING HUMIDITY 20% ~ 90% RH non-condensing RAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing P. COEFFICIENT ±0.03% / °C (0 ~ 40°C) RATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. ETY STANDARDS UL60950-1, CSA C22.2, EAC TP TC 004 approved to the conducted emission 10 per sense of the conducted 10 per sense of the conducted 10 per sens	CURRENT O. 65A / 115VAC O. 25M / 230VAC SAGE CURRENT (max.) O. 25mA / 240VAC RLOAD 120 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fat R VOLTAGE RION The recover automatically after fat R VOLTAGE RIVER (Refer to "Derating Curve") RRING TEMP. -20 ~ +60°C (Refer to "Derating Curve") RRING HUMIDITY 20% ~ 90% RH non-condensing RAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing RAGE TEMP, HUMIDITY -20 ~ +85°C, 10 ~ 95% RH non-condensing -20 ~ 100 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, 20 ~ 10	Cold start 40A / 115VAC 0.25A / 230VAC ISH CURRENT (max.) Cold start 40A / 115VAC 60A / 230VAC KAGE CURRENT(max.) 120 ~ 180% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is research. R VOLTAGE R VOLTAGE 110 ~ 140% rated output voltage Protection type : Clamp by zener diode, output short KKING TEMP. 20 ~ +80°C (Refer to "Derating Curve") KKING HUMIDITY 20% ~ 90% RH non-condensing RAGE TEMP, HUMIDITY 20 ~ +85°C, 10 ~ 95% RH non-condensing P. COEFFICIENT \$\frac{\pmax}{\pmax}\$ \tau 0.3% \forall C \(0 \) ~ 40°C) RATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes ETY STANDARDS UL60950-1, CSA C22.2, EAC TP TC 004 approved IPP-O/P-2424VDC LATION RESISTANCE I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH Parameter Standard Conducted emission FCC PART 15 / CISPR22, CAN ICES-3(B)/NME 3 years : 100% load 40°C, 8hours / day F	District Condition Condi	DURRENT (max.) SIN CURRENT (max.) Cold start . 40A / 115VAC		







Optional DC plug:

Tuning Fork Style		Type No.	А		В	С
Turring Fork		OD		ID	L	
	C	P1I	5.5		2.1	9.5
A B B		P1L	5.5		2.5	9.5
	(Straight)	P1M	5.5		2.5	11.0
	C	P1IR	5.5		2.1	9.5
		P1JR	5.5		2.1	11.0
	(Dight angled)	P1LR	5.5		2.5	9.5
	(Right-angled)	P1MR	5.5		2.5	11.0
Barrel S	Type No.	Α		В	С	
Barrer	Type IVO.	OD		ID	L	
	, C ,	P2I	5.5		2.1	9.5
		P2J	5.5		2.1	11.0
A B		P2L	5.5		2.5	9.5
	(Straight)	P2M	5.5		2.5	11.0
	 - C-	P2IR	5.5		2.1	9.5
		P2JR	5.5		2.1	11.0
		P2LR	5.5		2.5	9.5
	(Right-angled)	P2MR	5.5		2.5	11.0
	Tuno No	A [В	С	
Lock St	Type No.	OD		ID	L	
A Locking C		P2S(S761K)	5.53		2.03	12.06
		P2K(761K)	5.53		2.54	12.06
		P2C(S760K)	5.53		2.03	9.52
sw	P2D(760K)	5.53		2.54	9.52	
Min Din C	Type No.	А		В	С	
Min. Pin S	туре но.	OD		ID	L	
B EIAJ equivalent		P3A	2.35		0.7	11.0
		P3B	4.0		1.7	11.0
		P3C	4.75		1.7	11.0
Contor Dir	Type No	Α	В	С	D	
Center Pir	Type No.	OD	ID	L	Center Pin	
I A	- <u>C</u>	P4A	5.5	3.4	11.0	1.0
		P4B	6.5	4.4	11.0	1.4
- - <u>D</u>	EIAJ equivalent	P4C	7.4	5.1	11.0	0.6
Min. DIN 3 Pin with	Type No.	Pin Assignment				
Willi. Direct ill Willi	1,00110.	PIN No).	Outpu	ut	
		R6B	1		+Vo	1
((°))1 ₂			2		-Vo	
	7···· L-		_			



Min DINI 4 Din with Look (male)	Type No.	Pin Assignment		
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No.	Output	
lann land	R7B	1	+Vo	
		2	-Vo	
		3	-Vo	
KYCON KPPX-4P equivalent		4	+Vo	
Min DIN 4 Din with Look (famala)	Type No.	Pin Assignment		
Min. DIN 4 Pin with Lock (female)	Type No.	PIN No.	Output	
	R7BF	1	+Vo	
		2	-Vo	
		3	-Vo	
KYCON KPJX-CM-4S equivalent		4	+Vo	
Otalian and an eltipope dilanda	T N	Pin Assignment		
Stripped and tinned leads	Type No.	PIN No.	Output	
1 2	by customer	1 (Ribbed)	+Vo	
L1 Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>10</u> mm)	by oustonier	2 (Letter)	-Vo	

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html