



Features

- Universal AC input / Full range
- No load power consumption <0.075W
- **Energy efficiency level VI**
- Comply with EISA 2007/DoE, EU ErP
- 2 pole US/European type plug
- Class II (without earth Pin)
- Protections: Short circuit / Over load / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals:
 - U type: UL / CUL / CB / FCC; E type: TUV / CB / CE
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	SGA12	SGA18	SGA25
AC input voltage range	90~264VAC; 127~370VDC		
AC inrush current (max.)	Cold start, 45A at 230VAC	Cold start, 50A at 230VAC	Cold start, 60A at 230VAC
DC adjustment range	±10% rated output voltage		
Overload protection	Range	110%~250% rated output power	
	Type	Hiccup mode, auto recovery	
Over voltage protection	Range	110%~140% rated output voltage	
	Type	Clamp by Zener diode	
Setup, rise, hold up time	1300ms, 50ms, 16ms	300ms, 30ms, 16ms	300ms, 60ms, 18ms
Withstand voltage	I/P-O/P: 4242VDC		
Working temperature	-20~+60°C (refer to output derating curve)		
Safety standards	U-Type: UL60950-1, CSA22.2 approved; E-Type: TUV EN60950-1 approved		
EMC standards	U-Type: FCC part15 class B; E-Type: EN55022 class B		
Length of output cable	100cm of 18AWG for SGA12□05~07-P1J 120cm of 22AWG for SGA12□09-P1J 180cm of 24AWG for SGA12□12~48-P1J	100cm of 16AWG for 5~9V 100cm of 18AWG for 12V 150cm of 22AWG for 15~48V	100cm of 16AWG for 5~12V 180cm of 18AWG for 15~18V 180cm of 20AWG for 24~48V
Standard DC Plug (refer to page 61 for DC plug list)	USB: Type A; P1J: 2.1øx5.5øx11mm / C+, tuning fork type		
Dimension (LxWxH)(mm)	62.2x 27.4x 39.7	75.5x 32x 47.5	

Wall-mounted — 12W

Model No.	Output	Tol.	R&N	Effi.
SGA12□05-USB	5V, 2.40A	±5%	50mV	80.0%
SGA12□05-P1J	5V, 2.40A	±5%	50mV	80.0%
SGA12□07-P1J	7.5V, 1.60A	±5%	50mV	83.0%
SGA12□09-P1J	9V, 1.33A	±3%	80mV	83.0%
SGA12□12-P1J	12V, 1.00A	±3%	80mV	83.0%
SGA12□15-P1J	15V, 0.80A	±3%	80mV	84.5%
SGA12□18-P1J	18V, 0.666A	±3%	80mV	85.0%
SGA12□24-P1J	24V, 0.50A	±2%	100mV	86.0%
SGA12□48-P1J	48V, 0.25A	±2%	100mV	88.0%

□ = U/E; U: American 2P, E: European 2P

Wall-mounted — 18W

Model No.	Output	Tol.	R&N	Effi.
SGA18□05-P1J	5V, 3.00A	±5%	80mV	80.5%
SGA18□09-P1J	9V, 2.00A	±5%	80mV	84.5%
SGA18□12-P1J	12V, 1.50A	±3%	80mV	84.0%

Model No.	Output	Tol.	R&N	Effi.
SGA18□15-P1J	15V, 1.20A	±3%	80mV	84.0%
SGA18□18-P1J	18V, 1.00A	±3%	80mV	84.5%
SGA18□24-P1J	24V, 0.75A	±2%	80mV	85.0%
SGA18□48-P1J	48V, 0.375A	±2%	120mV	86.0%

□ = U/E; U: American 2P, E: European 2P

Wall-mounted — 25W

Model No.	Output	Tol.	R&N	Effi.
SGA25□05-P1J	5V, 4.00A	±5%	80mV	82.0%
SGA25□07-P1J	7.5V, 2.93A	±5%	80mV	85.5%
SGA25□09-P1J	9V, 2.77A	±5%	80mV	86.0%
SGA25□12-P1J	12V, 2.08A	±3%	80mV	86.0%
SGA25□15-P1J	15V, 1.66A	±3%	80mV	86.5%
SGA25□18-P1J	18V, 1.38A	±3%	80mV	86.5%
SGA25□24-P1J	24V, 1.04A	±2%	80mV	87.0%
SGA25□48-P1J	48V, 0.52A	±2%	120mV	88.5%

□ = U/E; U: American 2P, E: European 2P