

**■ Features**

- Universal AC input / Full range
- 2 pole EURO plug
- No load power consumption < 0.075W
- **Energy efficiency Level VI**
- Comply with EU ErP and CoC Version 5
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- Pass LPS
- High operating temperature up to +70°C
- LED indicator for power on
- 3 years warranty

**■ Applications**

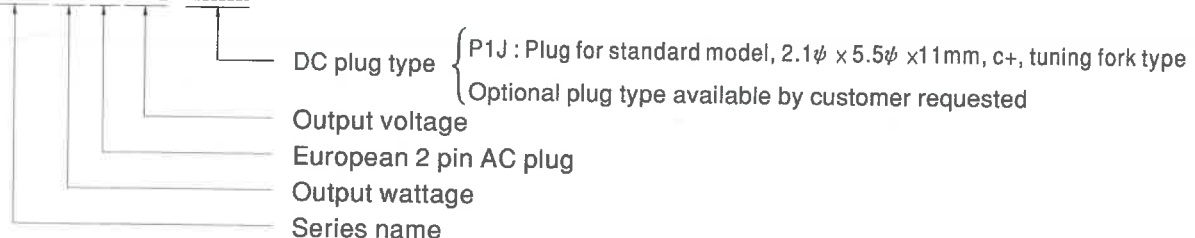
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

**■ Description**

GST18E is a highly reliable, 18W wall-mounted style single-output green adaptor series. This product is a class II power unit (without FG), equipped with a 2-Pin standard European AC power plug, adopting the input range from 85VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices. With the efficiency up to 89% and the extremely low no-load power consumption below 0.075W, GST18E is compliant with EU ErP, and Code of Conduct(CoC) Version 5 . The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock. GST18E is certified for the international safety regulations.

**■ Model Encoding**

**GST 18 E 05 -P1J**

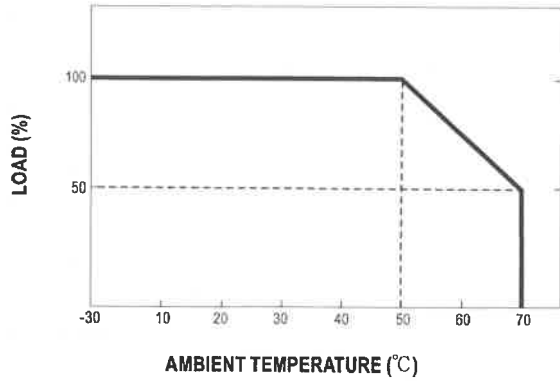




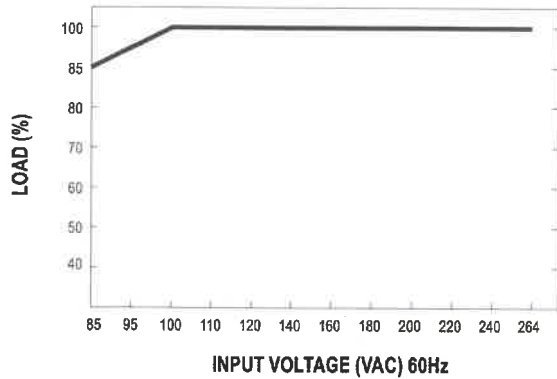
**SPECIFICATION**

ORDER NO.	GST18E05-P1J	GST18E07-P1J	GST18E09-P1J	GST18E12-P1J	GST18E15-P1J	GST18E18-P1J	GST18E24-P1J	GST18E28-P1J	GST18E48-P1J	
<b>OUTPUT</b>	<b>SAFETY MODEL NO.</b>	GST18E05	GST18E07	GST18E09	GST18E12	GST18E15	GST18E18	GST18E24	GST18E28	GST18E48
	<b>DC VOLTAGE</b> Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
	<b>RATED CURRENT</b>	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A
	<b>CURRENT RANGE</b>	0 ~ 3.0A	0 ~ 2.0A	0 ~ 2.0A	0 ~ 1.50A	0 ~ 1.20A	0 ~ 1.0A	0 ~ 0.75A	0 ~ 0.64A	0 ~ 0.375A
	<b>RATED POWER (max.)</b>	15W	15W	18W	18W	18W	18W	18W	18W	18W
	<b>RIPPLE &amp; NOISE (max.)</b> Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	180mVp-p	240mVp-p	240mVp-p
	<b>VOLTAGE TOLERANCE</b> Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	<b>LINE REGULATION</b> Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	<b>LOAD REGULATION</b> Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	<b>SETUP, RISE, HOLD UP TIME</b>	1000ms, 30ms, 50ms/230VAC      1500ms, 30ms, 15ms/115VAC at full load								
<b>INPUT</b>	<b>VOLTAGE RANGE</b> Note.7	85 ~ 264VAC								
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz								
	<b>EFFICIENCY (Typ.)</b>	81%	85%	85%	86%	87%	88%	88%	88.5%	89%
	<b>AC CURRENT</b>	0.5A / 115VAC		0.3A / 230VAC						
	<b>INRUSH CURRENT (max.)</b>	35A / 115VAC		65A / 230VAC						
<b>PROTECTION</b>	<b>OVERLOAD</b>	110 ~ 150% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	<b>OVER VOLTAGE</b>	110 ~ 140% rated output voltage Protection type : Clamp by zener diode, output short								
	<b>WORKING TEMP.</b>	-30 ~ +70°C (Refer to "Derating Curve")								
<b>ENVIRONMENT</b>	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing								
	<b>STORAGE TEMP., HUMIDITY</b>	-40 ~ +85°C, 10 ~ 95% RH								
	<b>TEMP. COEFFICIENT</b>	±0.03% / °C (0 ~ 50°C)								
	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
<b>SAFETY &amp; EMC (Note. 8)</b>	<b>SAFETY STANDARDS</b>	TUV EN60950-1 approved								
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:4242VDC								
	<b>ISOLATION RESISTANCE</b>	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH								
	<b>EMC EMISSION</b>	Compliance to EN55022 class B, EN61000-3-2,3								
<b>OTHERS</b>	<b>EMC IMMUNITY</b>	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A								
	<b>MTBF</b>	500Khrs min. MIL-HDBK-217F(25°C)								
	<b>DIMENSION</b>	79*54*33mm (L*W*H)								
<b>CONNECTOR</b>	<b>PACKING</b>	202.5g; 60pcs/13.2Kg/1.22CUFT								
	<b>PLUG</b>	See page 3 ; Other type available by customer requested								
<b>NOTE</b>	<b>CABLE</b>	See page 3 ; Other type available by customer requested								
	<p>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.                  2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.                  3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 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 voltage. Please check the derating curve 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 <a href="http://www.meanwell.com">http://www.meanwell.com</a>)</p>									

■ Derating Curve

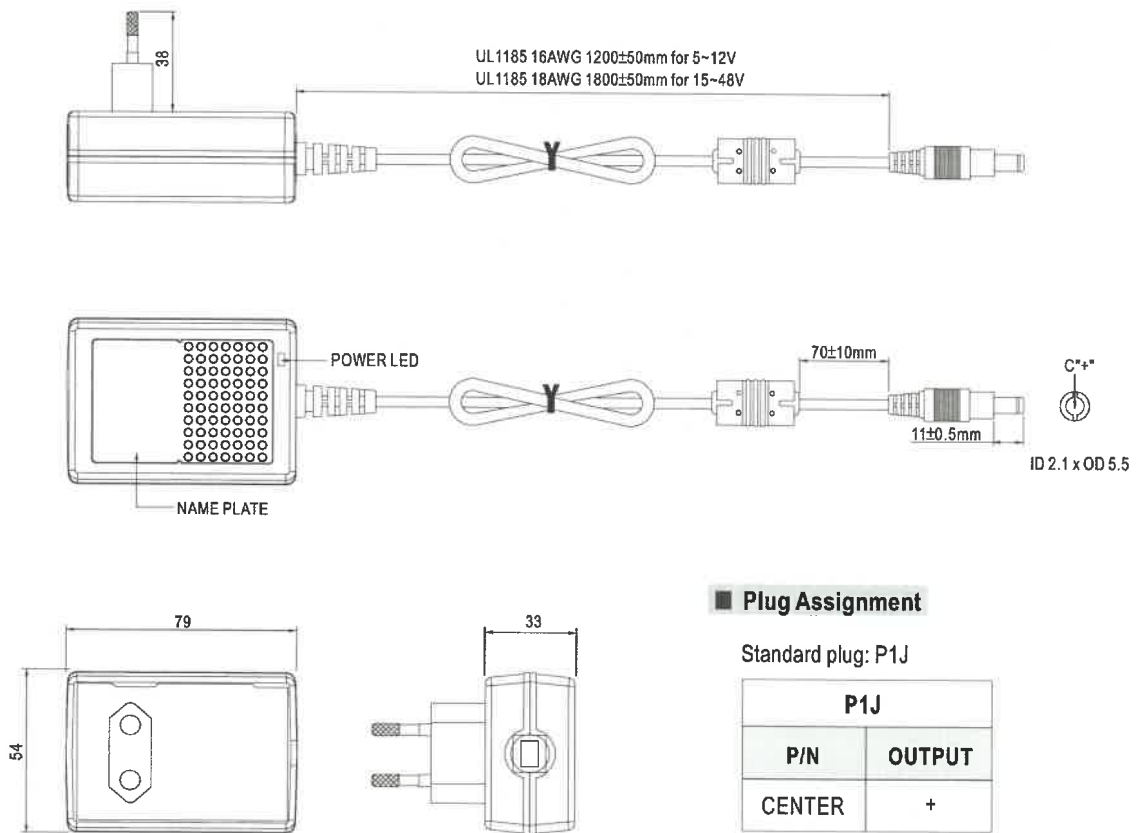


■ Static Characteristics



■ 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>