



Features :

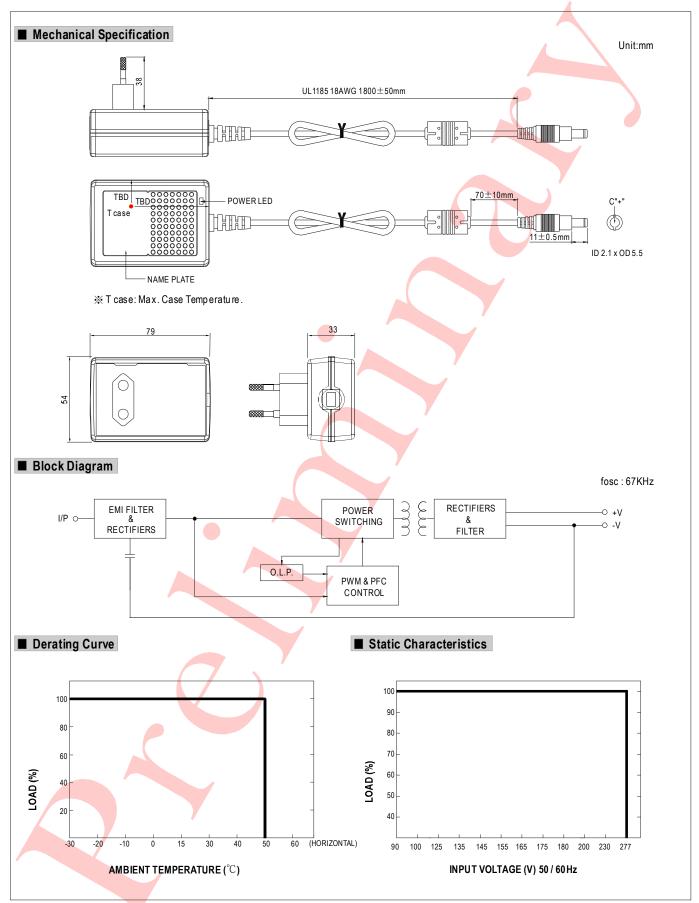
- Universal AC input / Full range (up to 277VAC)
- 2 pole EURO plug
- Built-in active PFC function
- Constant current design
- Protections: Short circuit
- Cooling by free air convection
- Fully isolated plastic case
- · Class II power unit, no FG
- 100% full load burn-in test
- No load power consumption<0.15W
- · Low cost, high reliability
- Suitable for indoor LED lighting and moving sign applications
- 3 years warranty

SPECIFICATION

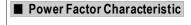


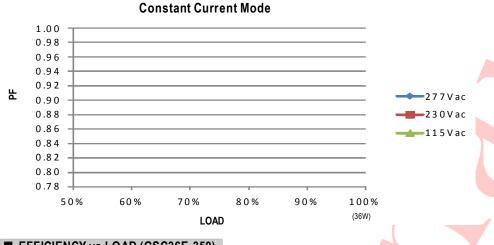
MODEL		GS C40E-350	GSC40E-500	GSC40E-700	GSC40E-1050	GSC40E-1400			
	RATED CURRENT	350mA	500mA	700mA	1050mA	1400mA			
	OPERATING VOLTAGE RANGE Note.4	58 ~ 116V	40 ~ 80V	29 ~ 58V	19 ~ 38V	14 ~ 29V			
OUTPUT	CURRENT ACCURACY Note.3	s ±8.0%							
	RATED POWER	40.4W	40W	40.4W	39.6W	40.4W			
	RIPPLE & NOISE (max.) Note.2	11.6Vp-p	8Vp-p	5.8Vp-p	3.8Vp-p	2.9Vp-p			
	NO LOAD OUTPUT VOLTAGE (max.)	126V	90V	68V	50V	40V			
	SETUPTIME	500ms / 230VAC 500ms / 115VAC at full load							
INPUT	VOLTAGE RANGE	90 ~ 277VAC 127 ~ 392VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	POWER FACTOR (Typ.)	PF>0.98/115VAC, PF>0.92/230VAC, PF>0.91/277VAC at full load (Please refer to "Power Factor Characteristic" curve)							
	TOTAL HARMONIC DISTORTION	Total harmonic distortion will be lower than 20% when output loading is 75% or higher							
INFUI	EFFICIENCY (Typ.)	88%	87%	86%	85%	84%			
	AC CURRENT (Typ.)	0.7A/115VAC 0.35A/230VAC 0.25A/277VAC							
	INRUSH CURRENT(max.)	COLD START 15A(twidth=75 \(\mu s \) measured at 50% Ipeak) at 230VAC							
	LEAKAGE CURRENT	<0.5mA/240VAC							
PROTECTION	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.							
	WORKING TEMP.	-30 ~ +50°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20 ~ 95% RH non-condensing							
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes							
SAFETY & EMC	SAFETY STANDARDS	TUV EN613471, EN61347-2-13 Listed, EN62384 approved							
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C (≥50% load); EN61000-3-3							
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024,EN61547, light industry level, criteria A							
OTHERS	MTBF	K hrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	79*54*33mm (L*W*H)							
	PACKING	Kg							
CONNECTOR	PLUG	2.1ψ * 5.5ψ * 11mm, tuning fork type, center positive for stock							
CONNECTOR	CABLE	See page 2							
NOTE	 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. Please see "AC input voltage drop vs. output current characteristics" table. Constant current operation region is within 50% ~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design. Direct connecting to LEDs is suggested, but is not suitable for using additional drivers. 								
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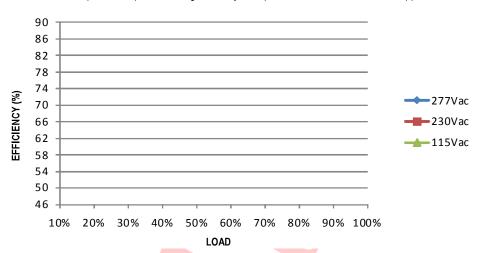






■ EFFICIENCY vs LOAD (GSC36E-350)

GSC36E series possess superior working efficiency that up to 88% can be reached in field applications.



■ AC input voltage drop vs. Output current characteristics

AC input drop	10%	8%	5%	3%
lo drop	<18%	<13%	<8%	<6%

Note: Output current will return to the rated value within 40ms