





Features:

- Universal AC input / Full range
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Built-in active PFC function
- UL1310 Class 2 power unit
- · Cooling by free air convection
- 100% full load burn-in test
- · High reliability
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lighting
- 2 years warranty

SELV LPS W (for 48V only) c US (except for 48V) **SPECIFICATION**

GE	PLC-100-12	PLC-100-15	PLC-100-20	PLC-100-24	PLC-100-27	PLC-100-36	PLC-100-48				
UDDENIT DEGIGN:	12V	15V	20V	24V	27V	36V	48V				
URRENT REGION Note.	4 8.4 ~ 12V	10.5 ~ 15V	14 ~ 20V	16.8 ~ 24V	18.9 ~ 27V	25.2 ~ 36V	33.6 ~ 48V				
RRENT Note.	6 5A	5A	4.8A	4A	3.55A	2.65A	2A				
RANGE Note.	6 0 ~ 5A	0 ~ 5A	0 ~ 4.8A	0 ~ 4A	0 ~ 3.55A	0 ~ 2.65A	0 ~ 2A				
WER Note.	6 60W	75W	96W	96W	95.85W	95.4W	96W				
NOISE (max.) Note.		150mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p	200mVp-p				
ADJ. RANGE(Vo AD.	J) 10.2 ~ 12V	12.8 ~ 15V	17 ~ 20V	20.4 ~ 24V	23 ~ 27V	30.6 ~ 36V	40.8 ~ 48V				
ADJ. RANGE(Io AD.	J) 3.75 ~ 5A	3.75 ~ 5A	3.6 ~ 4.8A	3 ~ 4A	2.6 ~ 3.55A	2~2.65A	1.5 ~ 2A				
TOLERANCE Note.	3 ±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%				
JLATION	±1.0%					1					
ULATION	±2.0%	***									
SE TIME	1200ms, 80ms/230VAC 1200ms, 80ms/115VAC at full load										
IME (Typ.)	60ms/230VAC 30ms/115VAC at full load										
,	90 ~ 264VAC 127 ~ 370VDC										
CY RANGE	47 ~ 63Hz										
CTOR (Typ.)	PF>0.95/230VA	C PF>0.95/11	5VAC at full load	PF≧ 0.9 at 75 ~	100% load						
Y (Typ.)	85%	86%	89%	88.5%	88%	88%	89%				
:NT (Typ.)	12V:0.8A/115VA	AC 0.4A/230VAC	15V:0.9A/115	VAC 0.45A/230V/	AC 20V ~ 48\	/:1.1A/115VAC	0.55A/230VAC				
JRRENT (Typ.)	COLD START 40A/230VAC										
CURRENT	<0.75mA/240VAC										
OVER CURRENT (Typ.) Note.4	95 ~ 102%										
	Protection type: Constant current limiting, recovers automatically after fault condition is removed										
ROTECTION OVER VOLTAGE	13 ~ 16V	16.5 ~ 20V	22 ~ 27V	27 ~ 34V	30 ~ 36V	39 ~ 48V	52 ~ 64V				
	Protection type	: Shut down and lat	ch off o/p voltage, re	e-power on to recov	er						
OVER TEMPERATURE	90°C ±10°C (RTH2)										
	Protection type: Shut down o/p voltage, re-power on to recover										
TEMP.	-30 ~ +50°C (Refer to output load derating curve)										
HUMIDITY	20 ~ 95% RH non-condensing										
TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH										
FFICIENT	±0.03%/°C (0~50°C)										
· · · · · · · · · · · · · · · · · · ·	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes										
SAFETY STANDARDS Note.7	III 1310 Class 2 FN61347-1 FN61347-2-13 independent UI 60950-1 TUV FN60950-1 UI 879 (listed in UI Sign Components Manual (SA)										
	CAN/CSA C22.2 No. 223-M91(except for 48V) approved										
	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC										
	I/P-O/P, I/P-FG; O/P-FG:100M Ohms / 500VDC / 25°C/ 70% RH										
D VOLTAGE											
D VOLTAGE I RESISTANCE	Compliance to EN61000-3-2,-3, Class C (≥70% load) ; EN61000-3-3										
D VOLTAGE I RESISTANCE CTION & RADIATION											
D VOLTAGE RESISTANCE CTION & RADIATION CCURRENT	· ·	N61000-4-2 3 4 5	6 8 11 FNV50204								
D VOLTAGE I RESISTANCE CTION & RADIATION	Compliance to E			21101017, 2110002							
D VOLTAGE RESISTANCE CTION & RADIATION C CURRENT NITY	Compliance to E 297.9Khrs min.	MIL-HDBK-217F		21101011, 2110002							
D VOLTAGE RESISTANCE CTION & RADIATION CCURRENT	Compliance to E 297.9Khrs min. 200.5*70.5*35m	MIL-HDBK-217F nm (L*W*H)		21101011, 2110002							
D VOLTAGI RESISTAN CTION & RAI				Compliance to FN61000-4-2 3 4 5 6 8 11: FNV50204	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN61547, EN55024, light industry level, (surge 4KV), criteria A 297.9Khrs min. MIL-HDBK-217F (25°C) 200.5*70.5*35mm (L*W*H) 0.52Kg; 25pcs/14Kg/0.65CUFT Illy mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. ed at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. tolerance, line regulation and load regulation. region is within 70% ~100% rated output voltage. This is the suitable operation region for LED related applications, but pleas.						

- 4. Constant current operation region is within 70% ~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.

 5. Derating may be needed under low input voltage. Please check the derating curve for more details.
- 6. This is the maximum possible output current and power. Over load protection may be activated slightly below this level to comply with the requirement
- 7. Safety and EMC design refer to EN60598-1, subject 8750(UL), CNS15233, GB7000.1, FCC part18.



