



MEAN-WELL PLD-25 Series 25W Single Output LED Power Supply Owner's Manual

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MEAN-WELL PLD-25 Series 25W Single Output LED Power Supply



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Features:

- Universal AC input / Full range (up to 295VAC)
- Built-in active PFC function
- Constant current design
- Protections: Short circuit / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- Class 2 Power Unit
- Class II power unit, no FG
- IP42 design
- Suitable for LED related fixture or appliance (such as LED Decoration or Advertisement devices)
- 100% full load burn-in test
- Low cost
- High reliability
- Suitable for dry / damp locations
- 3 years warranty

GTIN CODE

MW Search: <https://www.meanwell.com/serviceGTIN.aspx>

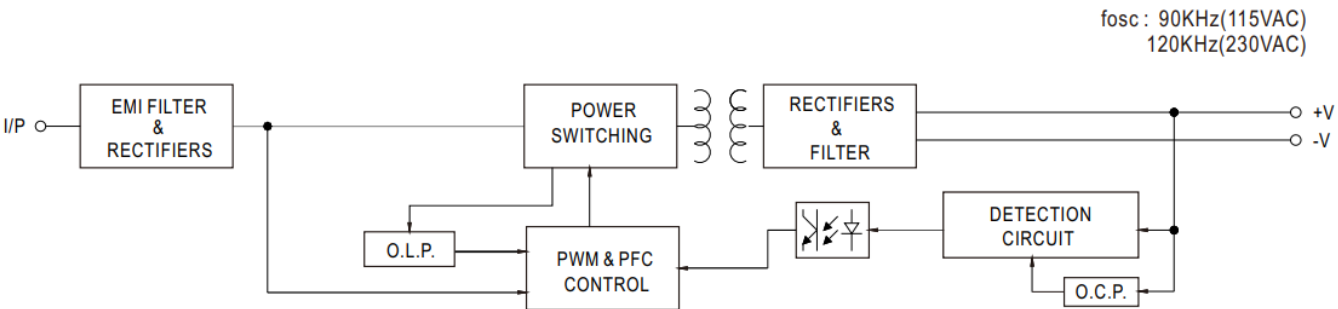
SPECIFICATION

MODEL		PLD-25-350	PLD-25-700	PLD-25-1050	PLD-25-1400
	RATED CURRENT	350mA	700mA	1050mA	1400mA
	OPERATING VOLTAGE RANGE	40 ~ 58V	24 ~ 36V	16 ~ 24V	12 ~ 18V

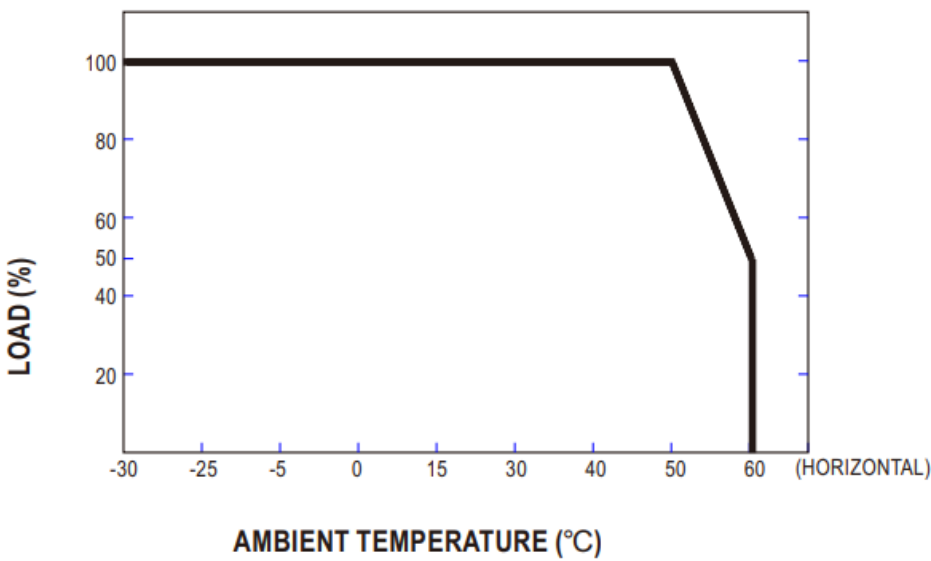
OUTP UT	CURRENT ACCU RACY	±5.0%			
	RATED POWER	20.3W	25.2W	25.2W	25.2W
	RIPPLE & NOISE (max.) Note.1	4.6Vp-p	2.7Vp-p	2.2Vp-p	2Vp-p
	NO LOAD OUTP UT VOLTAGE (ma x.)	60V	50V	35V	25V
	SETUP TIME	500ms / 230VAC 2000ms / 115VAC at full load			
INPU T	VOLTAGE RANG E	90 ~ 295VAC 127 ~ 417VDC			
	FREQUENCY RA NGE	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 HARMON IC DISTORTION	THD< 20% when output loading≥70% at 115VAC/230VAC input and output loadin g≥80% at 277VAC input			
	EFFICIENCY (Ty p.)	85%	86%	85%	84%
	AC CURRENT (Ty p.)	0.6A/115VAC 0.3A/230VAC 0.2A/277VAC			
	INRUSH CURRE NT (Typ.)	COLD START 25A(width=75μs measured at 50% Ipeak) at 230VAC			
	MAX. No. of PSU s on 16A CIRCUIT BREAKER	72 units (circuit breaker of type B) / 80 units (circuit breaker of type C) at 230VAC			
	LEAKAGE CURR ENT	<0.5mA / 240VAC			
PROT ECTI ON	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition is removed.			
	OVER TEMPERA TURE	Shut down o/p voltage, re-power on to recover			
ENVI RON MENT	WORKING TEMP.	-30 ~ +60°C (Refer to “Derating Curve”)			
	WORKING HUMI DITY	20 ~ 95% RH non-condensing			
	STORAGE TEMP. , HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH			
	TEMP. COEFFICI ENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes			
	SAFETY STAND ARDS	UL8750, CSA C22.2 No. 250.0-08, ENEC BS EN/EN 61347-1, BS EN/EN 61347- 2-13 independent, BS EN/EN 62384, EAC TP TC 004, IP42 approved ; design refe r to UL60950-1			

Block Diagram

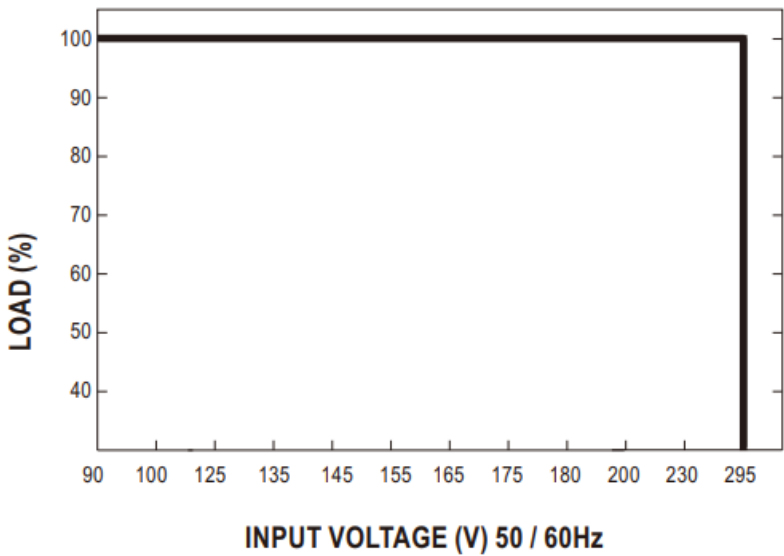
fosc: 90KHz(115VAC) 120KHz(230VAC)



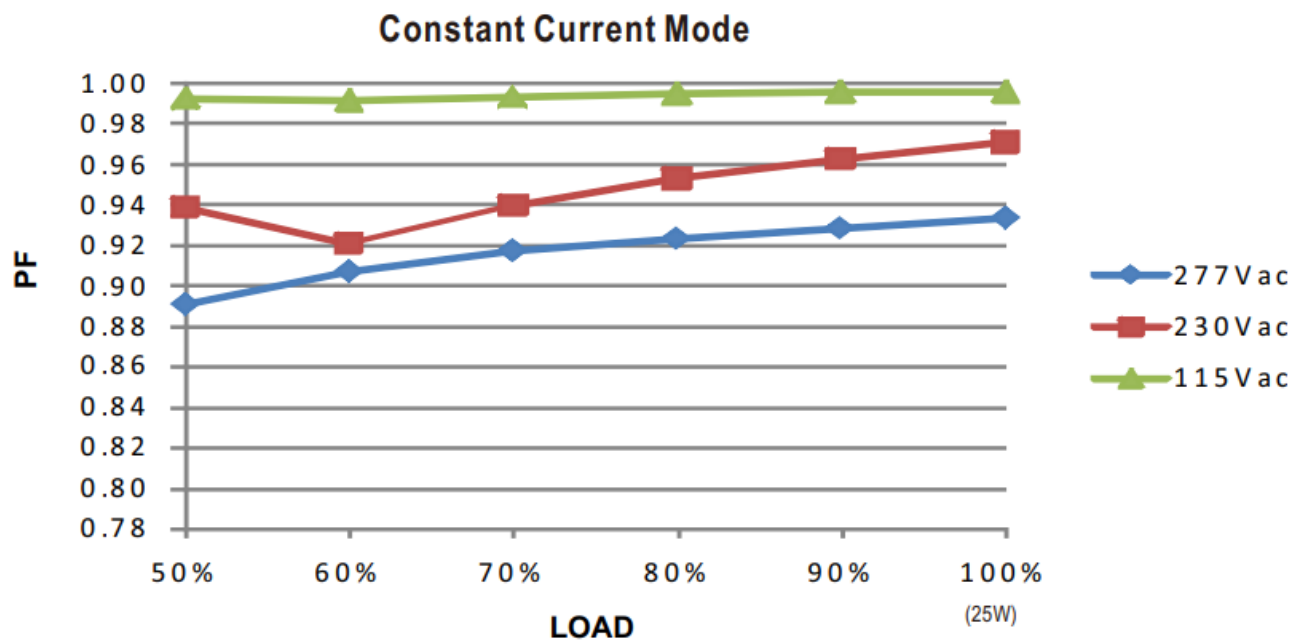
Derating Curve



Static Characteristics

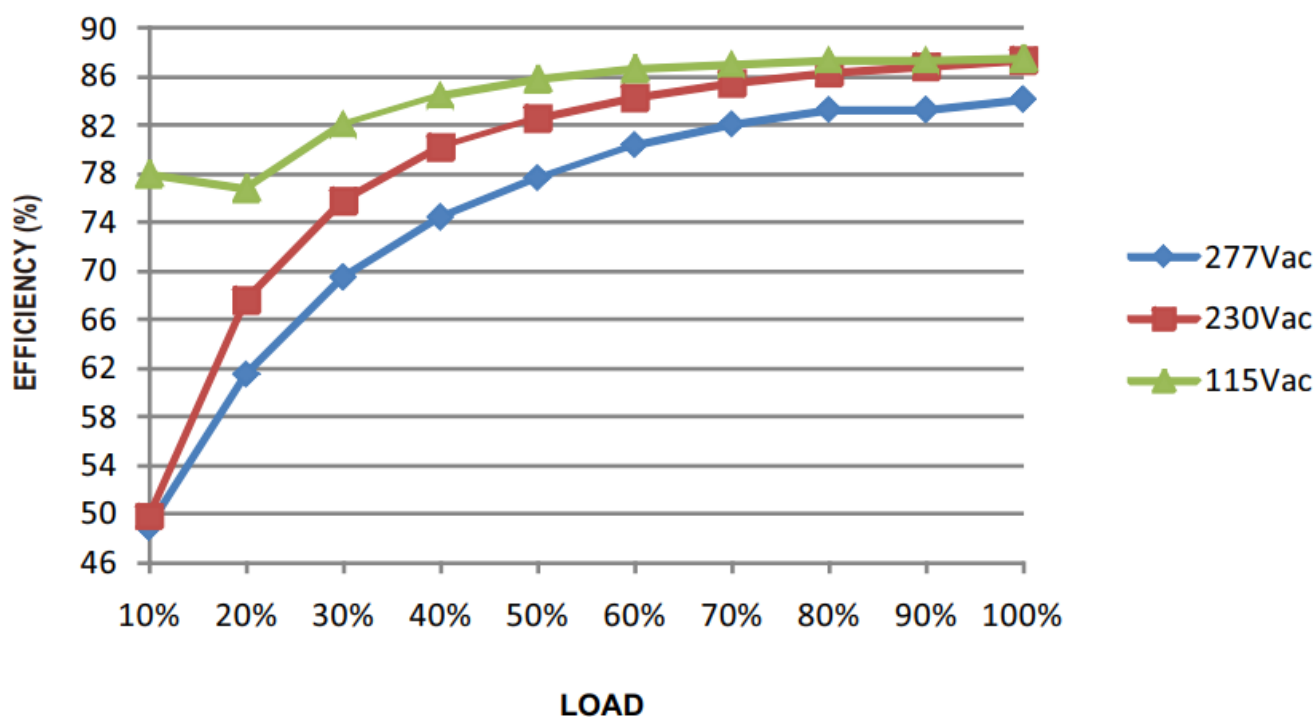


Power Factor Characteristic



EFFICIENCY vs LOAD (PLD-25-700)

PLD-25 series possess superior working efficiency that up to 86% can be reached in field applications.



Customer Support

User Manual



File Name:PLD-25-SPEC 2023-04-14

Downloaded from [Arrow.com](https://www.arrow.com).



Documents / Resources

	MEAN-WELL PLD-25 Series 25W Single Output LED Power Supply [pdf] Owner's Manual PLD-25 Series 25W Single Output LED Power Supply, PLD-25 Series, 25W Single Output LED Power Supply, Single Output LED Power Supply, Output LED Power Supply, LED Power Supply , Power Supply
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References

- [Product Liability Disclaimer-MEAN WELL Switching Power Supply Manufacturer](#)
- [Global Trade Item Number \(GTIN\)-MEAN WELL Switching Power Supply Manufacturer](#)
- [User Manual](#)

