



Uždaroji akcinė bendrovė

Įmonės kodas 303287697, PVM mokėtojo kodas LT100008526416

Kalvarijų g. 125 korp. 3, LT-08221 Vilnius, Lietuva

Tel. +370-680-90900, +370-653-88885

el. p. ledmada@gmail.com, web: www.ledmada.lt

Sąskaita LT947300010138949797, bankas „Swedbank“ AB, Vilnius, SWIFT: HABA LT 22

Specifications

Product Name: LED Constant Current Power Supply

Product Model: HG-WP2290

Product Specification: 25-36V/2.5A

一、 KEY FEATURES

Input range:100-265VAC

Built-in active PFC function

Free Air Convection

High efficiency up to 90%

No load power consumption<2W

Protections: short circuit/overload/over voltage/

Over temperature

IP67 design for outdoor installations

Dimension: 180*68*40MM

non flicker power drivers

5-Years Product Warranty

LED MADA®

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Model List

Model	Output Current	Output Voltage Range	No load output voltage	Efficiency	Power Factor
HG-WP2290	2.5A	25V-36V	45Vmax	90%	≥ 0.95



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二、ELECTRICAL SPECIFICATIONS

Parameter Note.1		Specification
Input	Range of input voltage	100-265VAC
	Frequency(Hz)	47-63 Hz
	Inrush Current	65A _{max.} @Full Load,230VAC,Cold Start
	Input Current max	2.0A _{max.} @Full Load,100VAC
	Start-up time	<2S @Full Load,230VAC
	No Load Power Consumption	<2W @230VAC
	Power Factor	PF≥0.95 @Full Load,230VAC
	THD	20%MAX@70%-100%Load,100-265VAC

Output	Output Voltage	2500mA . @100-265VAC
	Current current	25-36VDC
	Current Accuracy	±5%
	Line Regulation	±3%
	Load Regulation	≤5% @Full Load,100-265VAC
	Hold-up Time	10ms Min
	Ripple & Noise(max)Note.2	10% (Pk-Pk)
	Efficiency(Type)	90% @Full Load,230VAC;

Protection	Over Load Protection	Protection type: Auto recovery
	Over Voltage Protection	Protection type: Auto recovery
	Short circuit Protection	Protection type: Hiccup, Auto recovery
	Over Temperature	Protection type: Auto recovery

Safety&EMC	Safety standards	EN61347-1:2015 EN61347-2-13:2014
	Input-Output(V.AC)	3000V/5mA/1min
	Input-FG(V.AC) _{Note.3}	1500V/5mA/1min
	Output-FG(V.AC)	NA
	Leakage Current	<0.7 mA(240VAC)



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	Input-Output(V.AC)	$\geq 4 \text{ M } \Omega @ 500 \text{ VDC}$
	Input-FG(V.AC)	$\geq 2 \text{ M } \Omega @ 500 \text{ VDC}$
	Output-FG(V.AC)	$\geq 2 \text{ M } \Omega @ 500 \text{ VDC}$
	EMI(Conducted&Radiated Emission)Note.4	EN55015:2013+A1:2015 EN61000-3-2:2014 EN61000-3-3:2013
	EMS	EN61547:2009

Environment	Working Temperature	$T_a = -40^\circ\text{C} \dots +60^\circ\text{C}$ (Refer to output load derating curve)
	Max. Case Temperature T_c	$T_c = +85^\circ\text{C}$
	Case temperature on warranty	$T_c: -40^\circ\text{C} \dots +75^\circ\text{C}$
	Cooling condition	Free Air Convection
	Storage Temperature	$-25^\circ\text{C} \dots +80^\circ\text{C}$
	Life Time	50000Hrs@Full Load, 230VAC, $T_c = 75^\circ\text{C}$
	Humidity	20-90%RH
	MTBF	$>250,000\text{h}$ @ 25°C (MIL-HDBK-217F)
	Vibration	10-500Hz, 2G10min./1cycle, 60min. each along X, Y, Z axes
	Dimension	180*68*40mm
	Weight	0.84Kg&1PCS

Note	Note.1: All parameter NOT specially mentioned are measured at rated input or max rated input, and 25°C of ambient temperature. Note.2: Ripple & Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF parallel capacitor. Note.3: Please remove gas discharge tube on input end when do input hi-pot tests to ground, to avoid functional movement of gas discharge tube. Note.4: Please confirm EMI with whole system, only driver can pass EMI standard,.
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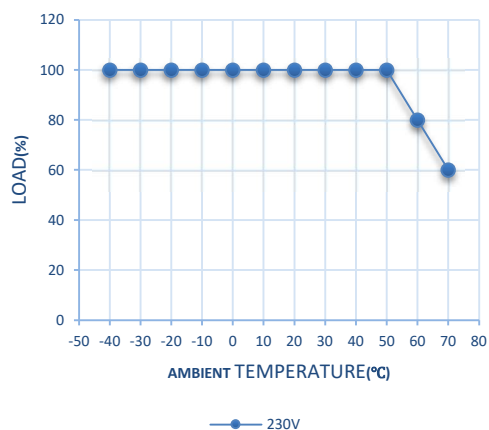
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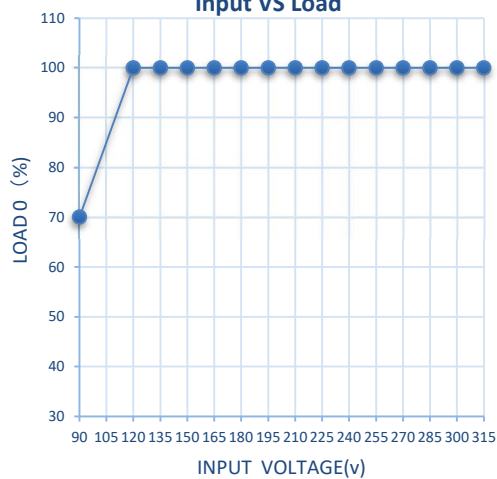
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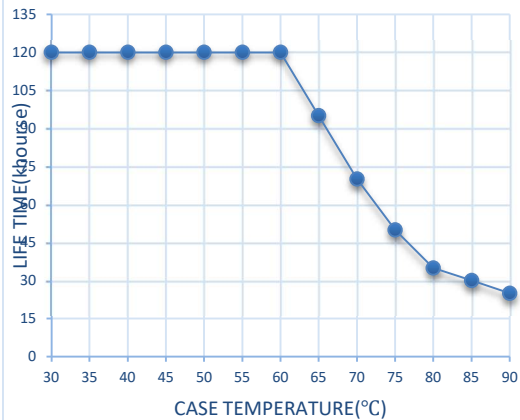
Derating Curve



Input VS Load



life time



PF CURVE

