

INDOOR VALUE CV GEN.2 LED DRIVERS

24V/12V 30W

Constant Voltage LED Power Supply VALUE G2



LVED VAL 30/220-240/24 G2
LVED VAL 30/220-240/12 G2



Product Features:

- Constant Voltage LED drivers
- 24V and 12V two options
- 30W
- IP20, for indoor independent application
- Long lifetime
- Isolated and Suitable for Class II

Standard:

- Safety: IEC/EN 61347-1; IEC/EN 61347-2-13;
- EMC Standards: CISPR15/EN 55015; IEC/ EN 61547; IEC/EN61000-3-2;
- Performance: IEC 62384
- CB,CE,ROHS Certificate

Application Areas:

- Suitable for indoor applications
- Suitable for Hotel, Residential, Apartment, Shops etc.
- Suitable for LED Strips
- Shelf, cabinet lighting

Electrical Specifications

Category	Item	Technical Norm	Condition
		30W	
INPUT	Rated Input Voltage	220-240VAC	
	Range of AC Input Voltage	198-264VAC	Permitted voltage range
	Maximum voltage	275VDC	2hrs
	Range of DC Input Voltage	N/A	
	Frequency	50/60Hz	
	Input current	240mA	230V 50 Hz @ full load
	Input Power	34.5W	@230V input full loading
	Power Factor	≥0.9	230V 50 Hz @ full load
	THD	< 15%	230V 50 Hz @ full load
	Inrush Current	< 20A	t _{width} = 125/ 252/368/414 μs typical (measured at 50% I _{peak})
	No-load power	< 0.5W	@230V
	Power Loss	≤4.5W	230V 50 Hz @ full load

Electrical Specifications

Category	Item	Technical Norm	Condition
		30W	
OUTPUT	Nominal Output Voltage	24V/12VDC	
	Max. Voltage	25.2VDC/12.6VDC	
	Galvanic isolation	SELV	
	Output current (mA)	0-1.25A(24V) 0-2.5A(12V)	
	Output Voltage accuracy	±5%	
	Nominal Power range(W)	30W	
	Max. Output Power(W)	30W	
	Efficacy	≥87%	Full load, 230 V, 50 Hz
	Voltage Ripple	≤1%	(Imax - I min) / (Imax + I min) *100%

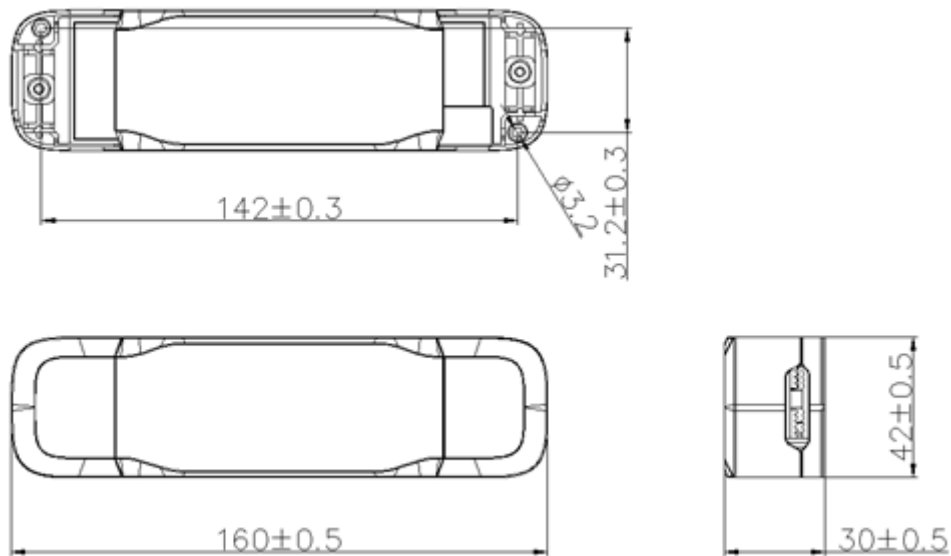
Electrical Specifications

Category	Item	Technical Norm	Condition
		30W	
Conditions	ta/Operation Temperature	-20 ...+45(°C)	
	ts/Storage Temperature	-20...+80 (°C)	
	tc/Enclosure Temperature	80°C	
	Max. case temp. in fault condition	110°	
	Humidity	5 ... 90%	
	Environment	Indoor	
	Switching cycles	>100 000	
	Surge	1 (L-N) 2(L/N-PE)	L/N acc. IEC 61547
Standards	Safety Standards	IEC/EN 61347-2-13, 61347-1	
	EMC Standards	CISPR15/EN55015, IEC/EN61547,IEC/EN61000-3-2	
	Performance	IEC62384	
	ESD testing/Surge	EN61000-4-2/EN61000-4-5	

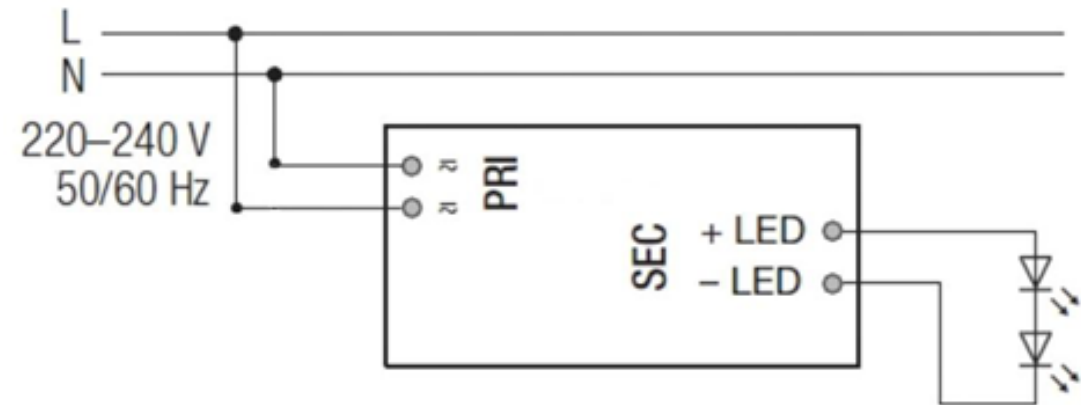
Electrical Specifications

Category	Item	Technical Norm	Condition
		30W	
Protection	Over temp. Protection	Y, Automatic, reversible	
	Short Circuit Protection	Y, Automatic, reversible	
	Overload Protection	Y, Automatic, reversible	
	No-load Protection	Y, Automatic, reversible	
Others	Product Dimension (L*W*H) mm	160*42*30	
	Weight	110g	
	Certification	CB,CE, ROHS	
	Lifetime	30,000hrs@ta 45°C 50,000hrs@ta 40°C	10% failure rate
	IP Rating	IP20	
	Warranty	5 years	@ta 40°C
	Terminal	Push in terminal	
	Max. cable length	2m	

Product drawing and installation instruction

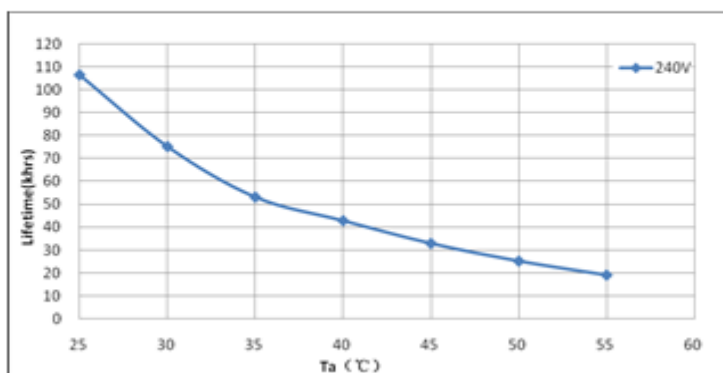


LVED VAL 30/220-240/24 G2
LVED VAL 30/220-240/12 G2

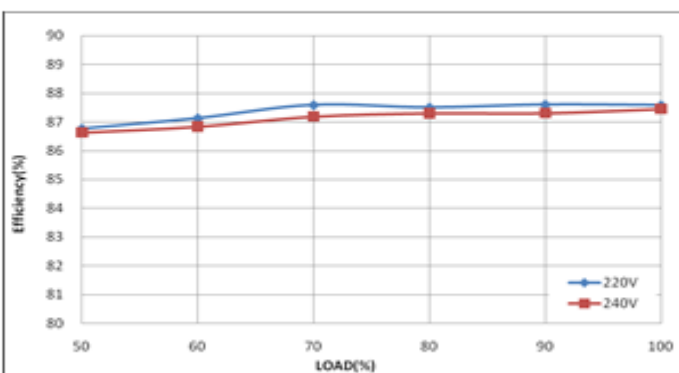


Curves-LVED VAL 30/220-240/24 G2 and LVED VAL 30/220-240/12 G2 30W

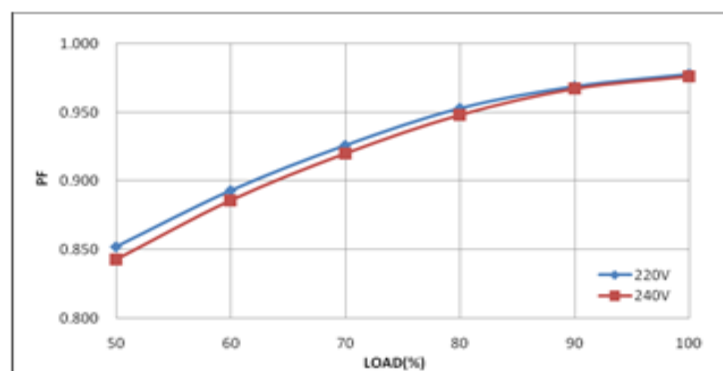
Lifetime vs. Ambient Temperature Curve



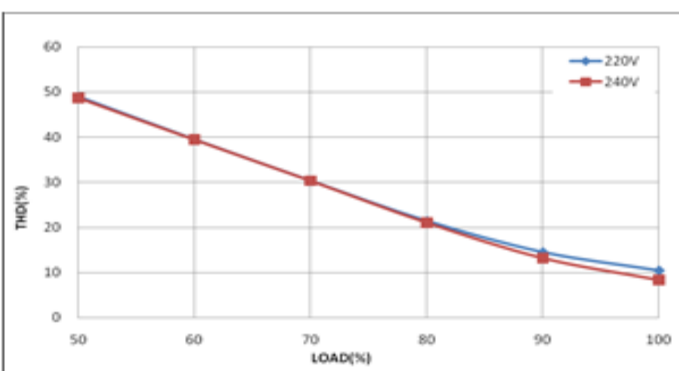
Efficiency vs. Load



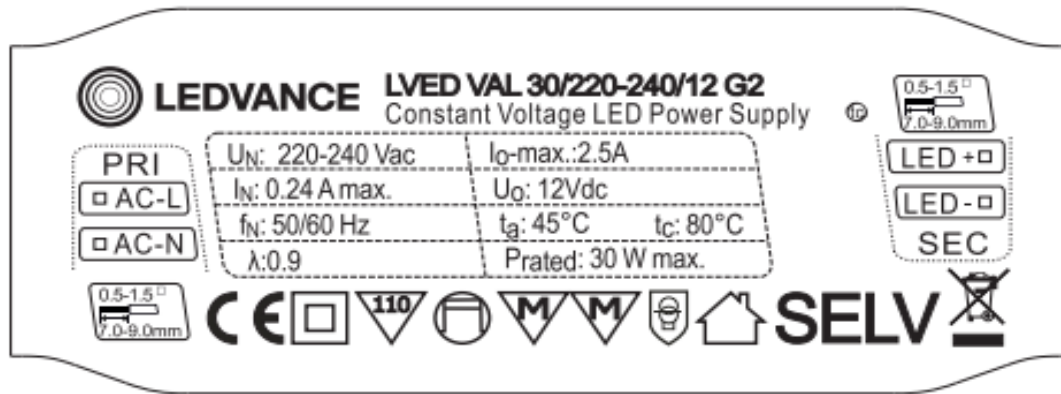
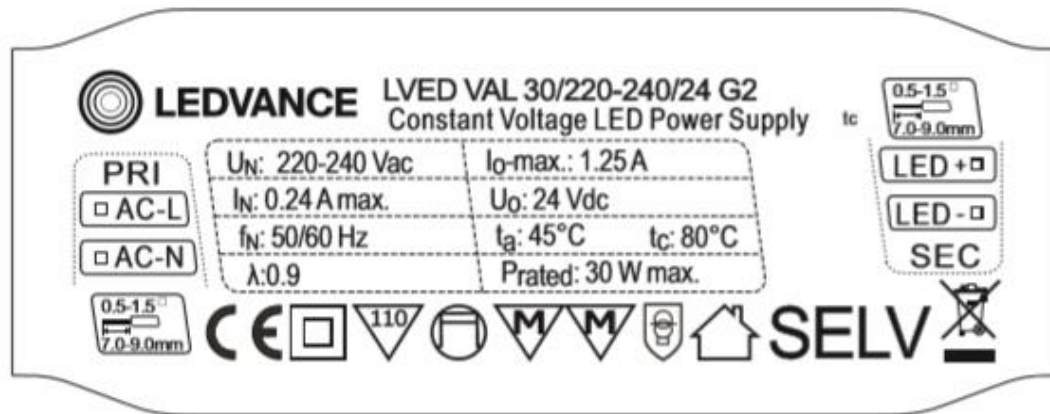
Power Factor Characteristics



THD vs. Load



Product Label



Ordering Info.

EAN	Product description	Housing material	Carton Qty (Pieces/Unit)	Size(L x WxH)(mm)	Gross weight (kg)	Remark
4058075549807	LVED VAL 30/220-240/24 VS20 G2 LEDV	Plastic	20	229x177x166	2.501	24VDC
4058075550513	LVED VAL 30/220-240/12 VS20 G2 LEDV	Plastic	20	229x177x166	2.501	12VDC