

VITALIS



**High Performance LED Drivers, SMPS
& 10KV & 20KV Surge Protection Devices**



MOST RELIABLE LED DRIVER

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WELCOME

VITALIS is a high-tech company in the field of Lighting electronics which has been dedicated to high quality LED Drivers, LED Modules and Intelligent Lighting Solutions.

The headquarter located in Noida serving Sales, R&D and Logistics support to our customers from all parts of India. Our product focus is to develop and provide cost effective & high reliability solutions, which is "Made in India for World". With BIS & ISO certification & Membership with ELCOMA, under its belt and products that are accredited with international performance of safety standards,

VITALIS stands on its commitment to deliver eco-friendly and quality products. **VITALIS** is supported by experienced professional experts and associated / partner companies from India and Globe in the field of Power Electronics, to provide state of the art products as well as supply chain management for deliverance.

With in a short span of time, we are serving to and are trusted by the top Lighting brands for their Outdoor and Indoor LED Driver.

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OUTDOOR LED LIGHT DRIVERS (AC)

Outdoor Lighting is the most demanding application in terms of longevity. We have a range of Isolated LED Drivers with Constant Current that are designed to last long.

Common Features & Specifications:

- **Wide input range:** 100 to 300VAC
- **High Voltage:** Cutoff @ 320VAC & Reconnect @ 305VAC
- **Low Voltage:** Cutoff @ 90VAC & Reconnect @ 110VAC
- **Maximum Voltage Sustainable:** 440VAC
- **PF:** greater than 0.95
- **THD:** Less than 10%
- **Other Protections:** OVP, Short Circuit Protection, Thermal, IP20/IP65
- **Current Accuracy:** $\pm 3\%$
- **High-pot Test:** 3.5KV @Input & Output (18W-300W)
1.5KV @Power & Ground (45W-300W)

UP TO 25W

With premium Plastic casing and a very robust circuit inside, we have packed the most sophisticated design inside a very small form factor. It has an on board high and low voltage cut, as well as thermal protection, making it a very reliable LED Driver.

Features & Specifications:

- **Surge test:** 5KV, in common mode
- **Efficiency:** >85% at complete input range

Ratings Available (Customizable)

16-18W 30VDC 500mA

19-21W 30VDC 600mA

22-25W 30VDC 700mA

UP TO 36W

Having pass all critical tests, one of the smallest 36Watt LED Driver packed with all features including high/low voltage cut off and thermal foldback, It is available with many voltage and current options.

Features & Specifications:

- **Surge test:** 6KV, in common mode
- **Efficiency:** >85% at complete input range

Ratings Available (Customizable)

28-30W 36VDC 700mA

32-36W 36VDC 900mA

32-36W 42VDC 700mA

UP TO 50W

Designing a potted driver is always challenging, and when making it for street lighting application, it has to be very reliable, so we have packed the best of the technologies in this driver, making it a very robust and long-lasting driver solution.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >87% at complete input range

Ratings Available (Customizable)

38-40W 48VDC 700mA

38-42W 33VDC 1050mA

42-45W 54VDC 700mA

42-45W 36VDC 1050mA

48-50W 60VDC 700mA

48-50W 30VDC 1450mA

UP TO 60W

New design for 60W application, with reducing sizes of fixtures, we have added this new model, which maintains all electrical and thermal parameters even after reducing size, making it a reliable product.

Features & Specifications:

- **Surge Test:** 6KV, in common & Differential mode
- **Efficiency:** >87% at complete input range

Ratings Available (Customizable)

55-60W 72-76VDC 700mA

55-60W 48-54VDC 1050mA

55-60W 42-45VDC 1200mA

55-60W 33-36VDC 1500mA

UP TO 75W

This product is designed for different weather conditions giving you more flexible design options for your luminaire, with high and low cut on board this product has good electrical performance as well as temperature is controlled within built thermal protection.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >87% at complete input range

Ratings Available (Customizable)

70-75W 90-96VDC 700mA

70-75W 60-64VDC 1050mA

70-75W 52-56VDC 1200mA

70-75W 42-45VDC 1500mA

UP TO 85W

Being already used by many manufacturers in lighting industry, this driver has passed the tests of time, with great electrical and thermal performance, It has a very small form factor and easy mounting for most of the applications.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >87% at complete input range

Ratings Available (Customizable)

80-85W 102-108VDC 700mA

80-85W 66-72VDC 1050mA

80-85W 60-64VDC 1200mA

80-85W 48-50VDC 1500mA

UP TO 100W

This is our new product for this wattage, previously 120 Watts drivers was used for 100 Watts, but it didn't fit in most fittings and was not cost effective. So, we came up with new LED Driver which has small form factor and is very economical.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >88% at complete input range

Ratings Available (Customizable)

90-100W 114-130VDC 700mA

90-100W 78-84VDC 1050mA

90-100W 68-76VDC 1200mA

90-100W 54-60VDC 1500mA

UP TO 120W

This new generation LED Driver is nothing like the older ones, It has a new protection mechanism against HIGH and LOW voltages and surges. Also, It has been able to deliver such higher wattage in a very small form factor.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >88% at complete input range

Ratings Available (Customizable)

110-120W 142-154VDC 700mA

110-120W 96-102VDC 1050mA

110-120W 66-72VDC 1500mA

110-120W 48-54VDC 2000mA

UP TO 150W

Dual output drivers are out there for a very long time now, but mostly their sizes are bulky, making them impractical for today's applications, so we come up with a refreshing new size, that fits perfectly in smallest of housings. Our 150W driver delivers on both, electrical & thermal parameters.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >88% at complete input range

Ratings Available (Customizable)

130-150W 168-196VDC 700mA

130-150W 114-130VDC 1050mA

130-150W 78-90VDC 1500mA

130-150W 60-66VDC 2000mA

UP TO 220W

This wattage requires lot of attention on efficiency and form factor, a product of this high wattage is always more prone to higher temperatures which requires extra effort from our side to make a more reliable product, so we have increased efficiency of our product which has made it cooler and reliable.

Features & Specifications:

- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >88% at complete input range

Ratings Available (Customizable)

180-220W 154-190VDC 1050mA

180-220W 108-130VDC 1500mA

180-220W 80-96VDC 2000mA

180-220W 64-78VDC 2500mA

180-220W 54-66VDC 3000mA

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FROM 240W-300W

New design for higher wattage application, with reducing sizes of fixtures and increasing thermal problems, we have designed 250W & 300W Driver with thermal protection and efficiency, which controls and maintains the temperature of fixture and driver, making a reliable product that lasts long.

Features & Specifications:

- **Potted Cabinet:** 220mm(L) X 92mm(W) X 40mm(H)
- **Surge test:** 6KV, in common & Differential mode
- **Efficiency:** >88% at complete input range
- **Rating:** 2000mA or As per Customer Requirement



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INDOOR LIGHTNING

Discover elegance and efficiency with our indoor lighting Drivers. Illuminate your space with stylish, energy-efficient solutions that enhance any room. We have a range of Isolated & Non Isolated High & Low PF CC LED Drivers.

6-18W ISOLATED HPF

- **Input Range:** 120 – 300VAC
- **Maximum Voltage Sustainable:** 440VAC @ 4hrs
- **Surge Test:** 4KV in Differential Mode
- **Power Factor:** > 0.95
- **THD:** < 10%
- **Efficiency:** > 85% @complete Input Range
- **Current Accuracy:** $\pm 5\%$
- **Protection:** OVP, Short Circuit, Open Circuit
- **Rating Available:** 10-20VDC @600-700mA, 24-36VDC @200-500mA, 10-20VDC @300-575mA, 30-36VDC @200-400mA, 36-42VDC @200-400mA

UPTO 18W ISOLATED LPF

- **Input Range:** 120 – 280VAC
- **Maximum Voltage Sustainable:** 360VAC @4hrs
- **Surge Test:** 2.5-3KV in Differential Mode
- **Power Factor:** > 0.5
- **Current Accuracy:** $\pm 5\%$
- **Protection:** OVP, Short Circuit, Open Circuit
- **Rating Available:** 3-9VDC @100-700mA, 15-21VDC @150-400mA, 24-36VDC @150-400mA, 39-48VDC @150-400mA

UPTO 50W NON ISOLATED LPF

- **Input Range:** 120 – 300VAC
- **Maximum Voltage Sustainable:** 360VAC @4hrs
- **Surge Test:** 2.5-4KV in Differential Mode
- **Power Factor:** > 0.5
- **Current Accuracy:** $\pm 5\%$
- **Protection:** OVP, Short Circuit, Open Circuit
- **Rating Available:** 60VDC @120mA, 90VDC @90mA, 45VDC @60mA, 72VDC @90mA, 90VDC @75mA, 72VDC @150mA, 150VDC @300mA

UPTO 24W NON ISOLATED HPF

- **Input Range:** 120 – 300VAC
- **Maximum Voltage Sustainable:** 440VAC @4hrs
- **Surge Test:** 3-4KV in Differential Mode
- **Power Factor:** > 0.9
- **Current Accuracy:** $\pm 5\%$
- **Protection:** OVP, Short Circuit, Open Circuit
- **Rating Available:** 36VDC @280mA, 45VDC @60mA, 60VDC @120-300mA, 72VDC @150-300mA, 80 @240mA, 90 @75-120mA



VARIABLE CURRENT LED DRIVERS

Our Unique range of Isolated LED Drivers Open Frame with Variable current to give customer independence of using current as per their load requirement.

Common Features & Specifications:

- **Wide Input Range:** 100 to 300VAC
- **High Voltage:** Cutoff @ 320VAC & Reconnect @ 305VAC
- **Low Voltage:** Cutoff @ 90VAC & Reconnect @ 110VAC
- **Maximum Voltage Sustainable:** 440VAC
- **Surge Test:** 5KV, in Common & Differential Mode
- **Efficiency:** > 87% at complete input Range
- **PF:** greater than 0.95
- **THD:** Less than 10%
- **Other Protections:** OVP, Short Circuit Protection, Thermal, IP62/IP65
- **Current accuracy:** $\pm 3\%$
- **High-pot Test:** 3.5KV @Input & Output (18W-300W)
1.5KV @Power & Ground (45W-300W)

FROM 90W – 100W

Features & Specifications:

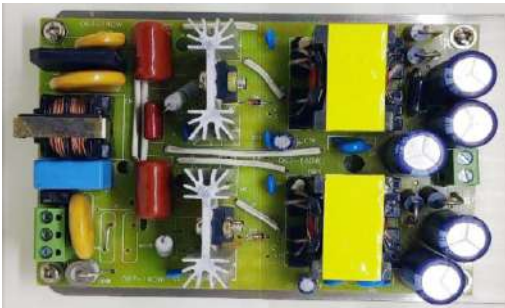
- **Driver Dimensions:** 114mm(L) X 54mm(W) X 37mm(H)
- **On Plate Dimensions:** 147mm(L) X 72mm(W) X 44mm(H)
- **Rating:** 700-1050mA, 1050-1.5Amp, 1.5Amp-2.0Amp From 110W – 140W



FROM 110W – 140W

Features & Specifications:

- **Driver Dimensions:** 117mm(L) X 79mm(W) X 32mm(H)
- **Plate Dimensions:** 150mm(L) X 96mm(W) X 40mm(H)
- **Rating:** 700-1.05mA, 1.05-1.5Amp, 1.5Amp-2.0Amp, 2.0-2.6Amp From 150W – 180W



FROM 150W – 180W

Features & Specifications:

- **Driver Dimensions:** 131mm(L) X 100mm(W) X 37mm(H)
- **Plate Dimensions:** 164mm(L) X 118mm(W) X 44mm(H)
- **Rating:** 1.05-1.5Amp, 1.5Amp-2.0Amp, 2.0-2.6Amp, 2.6-3.0Amp





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LOW VOLTAGE AC LED DRIVERS

Unique Isolated LED Driver for LOW Voltage AC specially used in Rail LED lights.

Common Features & Specifications:

- **Maximum Voltage Sustainable:** 200VAC
- **Surge Test:** 2.5KV, in Common & Differential Mode
- **Efficiency:** > 80% at complete input Range
- **PF:** greater than 0.95
- **THD:** Less than 10%
- **Other Protections:** OVP, Short Circuit Protection, Thermal, IP20
- **Current accuracy:** $\pm 5\%$
- **High-pot test:** 3.5KV @Input & Output

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FOR 48VAC

Features & Specifications:

- **Input Range:** 40VAC – 70VAC
- **High Voltage:** Cutoff @ 75VAC & Reconnect @ 70VAC
- **Low Voltage:** Cutoff @ 25VAC & Reconnect @ 38VAC
- **Driver Dimensions:** 69mm(L) X 32mm(W) X 20mm(H)
- **Cabinet Dimensions:** 88mm(L) X 44mm(W) X 32mm(H)
- **Rating:** 16W - 18VDC – 750mA & 22W – 36VDC – 500mA For 110VAC

FOR 110VAC

Features & Specifications:

- **Input Range:** 90VAC – 150VAC
- **High Voltage:** Cutoff @ 160VAC & Reconnect @ 155VAC
- **Low Voltage:** Cutoff @ 65VAC & Reconnect @ 85VAC
- **Driver Dimensions:** 69mm(L) X 32mm(W) X 20mm(H)
- **Cabinet Dimensions:** 88mm(L) X 44mm(W) X 32mm(H)
- **Rating:** 16W - 18VDC – 750mA & 22W – 36VDC – 500mA



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DIMMABLE LED DRIVERS:

In Indoor Lighting, one of the most attractive features of a LED light is its dimming. For lower wattage LED lights, we came up with this TRIAC dimming driver which can detect falling and trailing edge dimming very smoothly and work with almost all the TRIAC dimmer available in the market. We call it an intelligent dimmable driver, as it can detect and works well with both leading and trailing edge dimmers, the most unique feature of LED has been dimming, and still maximum luminaire in industry are sold without dimming, this is our small endeavor for making your lights dimmable with easiest technology (TRIAC). It has current accuracy of 2.5% with 105°C 10000hrs capacitors

UP TO 10W TRIAC DIMMABLE

Features & Specifications:

- **Open Dimensions:** 66mm(L) X 32mm(W) X 18mm(H)
- **Wide Input Range:** 150 to 300VAC
- **High Voltage Cutoff:** At 300VAC
- **Surge Test:** 2.5KV, in common and differential mode
- **Hi-pot test:** 2 KV @ Input & Output
- **Power Factor:** greater than .90
- **THD:** less than 20%
- **Efficiency:** greater than 80% at complete input range

UP TO 24W TRIAC DIMMABLE

Features & Specifications:

- **Open Dimensions:** 86mm(L) X 40mm(W) X 20mm(H)
- **Wide Input Range:** 150 to 300VAC
- **High Voltage Cutoff:** At 300VAC
- **Surge Test:** 2.5KV, in common and differential mode
- **Hi-pot Test:** 2 KV @ Input & Output
- **Power Factor:** greater than .90
- **THD:** less than 20%
- **Efficiency:** greater than 80% at complete input range





Surge Protection Device (SPD)

Common Features & Specifications:

- **Wide input range:** 100 to 320VAC
- **Maximum Voltage Sustainable:** 440VAC
- **Surge Test:** 10KV & 20KV @ 0°, 90°, 180°, 270° on + & - with 5 pulse each

10KV/20KV SPD Encapsulated

A new potted SPD, for outdoor applications, built with MOV & Gas Discharge tubes. The Product can be used in any new and existing lighting solution, regardless of technology. It is specially designed to be used in outdoor and commercial LED lighting fixtures for transient Over Voltage Protection of 10KV & 20KV.



10KV/20KV SPD WITH THERMAL ENCAPSULATED

The most compact SPD we have made, with MOV, Thermal Fuse and Gas discharge tubes for protection, it makes the whole system very safe. Compactible with any type of solution.



10KV SPD WITH HIGH-LOW VOLTAGE CUT OFF ENCAPSULATED

One of its kind, and creating a new league of protection device, this product has very unique circuit inside, that works as a switch when high/low voltage strikes. It completely shuts voltages to enter your circuit, saving your circuits against odd environments.

The SPD clamps the voltage at the terminals of the luminaire, protecting the complete system against multiple nominal surges of up to 10KV/10KA.

- **High Voltage:** Cutoff @325VAC & Reconnect @ 290VAC
- **Low Voltage:** Cutoff @ 120VAC & Reconnect @ 140VAC



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Switched-Mode Power Supply

SMPS converts AC Power to 12V / 24V DC. This Supply has built in over voltage, over current and short circuit protection, with AC Over Voltage cut off feature. Perfectly designed, well constructed and compact size with world class industrial protection.



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SWITCHED-MODE POWER SUPPLY

Common Features & Specifications:

- **Input Voltage Range:** 120VAC – 300VAC
- **Maximum Voltage Sustainable:** 350VAC & 400VAC
- **Surge Test:** 2.5KV & 4KV, in Common
- **Efficiency:** > 85% at complete input Range
- **PF:** greater than 0.50
- **Other Protections:** OVP, Short Circuit Protection, IP20
- **Current Accuracy:** $\pm 5\%$
- **High-pot Test:** 3.5KV @Input & Output

SWITCHED-MODE POWER SUPPLY

Ratings Available
12V / 1 Amp
12V / 1.5 Amp
12V / 2.5 Amp
12V / 3.5 Amp
12V / 5 Amp
12V / 10 Amp
24V / 1 Amp
24V / 2.5 Amp
24V / 4 Amp



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