

Gujarat Plug-In Devices Pvt Ltd (GPDL), established in 1985, is one of the leading manufacturers of a wide range of Dry Type (VPI & Cast Resin) Transformers from 50VA - 500KVA. The company is ISO 9001:2008 certified with additional certifications from the Underwriters' Laboratory (UL - File no. E301764 & E302166) as well as CE (IEC 61558) for the specified range of transformers and inductors. This gives GPDL the prominence of supplying its products to USA as well as the European Countries .

Adding to its basket of credentials, GPDL is approved by all major Power Houses of the Indian Government, such as Power Grid Corporation of India Ltd (PGCIL), Engineers' India Ltd (EIL), Steel Authority of India Ltd (SAIL), NTPC, ONGC, IOCL BHEL etc., accordingly we supply high quality Lighting, Control and Isolation Transformers for various projects undertaken by the Government of India.

With in-depth Engineering cognisance, GPDL has proven its expertise in providing energy-efficient solutions to many upcoming and established industries over the past 25 years. Today we have, in our portfolio, a variety of Customised products, which include High Frequency Inductors, Input/Output chokes for AC Drives, UL/CE approved Control Transformers and Inductors used in Wind and Solar sectors, Source Transformers, Energy-saving Transformers with reactance coil, Zigzag Transformers, Auto Transformers for motor starters, Isolation Transformers, Lighting Transformers that may be cast in Resin or Varnish impregnated. The company also has an in-house fabrication unit manufacturing Electrical Test Benches and Control Panels.

Under the able guidance of Mr. Sudhir Chemburkar, Late Mr. Dipak Kothari and Mr. Viral Kothari, GPDL has achieved high accolades in the field of Electrical Engineering. We have two other companies (both based in Vadodara) in our group –

REO-GPD Inductive Components Pvt Ltd

A Joint Venture with Reo Inductive Components, Germany, specialized in manufacturing of transformers and Reactors for Traction Application.

Kwick Sales & Services

Authorised dealers for Lhp Motors, Finolex Cables, L&T Switchgear, Minilec Relays, etc.

Control & Lighting Transformers

Control Transformers are dry type, natural air cooled isolation transformers, where the primary (line) & secondary (load) side windings are electrically separated from each other to create a functional isolation.

Dry Type Transformers are advantageous over the conventional oil-cooled transformers – low fire risk, maintenance free since no oil is needed, easy installation, high flexibility and high short time over load capacity.

- GPDL make Lighting transformers upto 500KVA are approved by esteemed institutions such as PGCIL, EIL, NTPC, PDIL, SAIL, IOCL, BHEL, ONGC, etc.
- We are one of the few producers of Dry type Lighting transformers upto 500KVA in low and medium Voltages. Our transformers are designed as per IS 11171 and IS 2026.
- Range of control transformers is from 50VA to 50KVA; single/three phase, suitable for 50/60 cycles upto Class H insulation scheme.
- Auto Transformers for motor starters for 1/3/6 starts per hour.
- Special Short Circuit proof transformers with built in impedance
- Transformers with rectifier circuit and reactance restrictions
- We enjoy a rich tradition of meeting the highest industry standards for quality, durability, and reliability in the commercial, industrial and OEM marketplace. Our control transformers are important parts of the control panels in Wind and Solar Energy Generating plants.
- All transformers can be Cast in Resin or impregnated in Varnish and can be supplied with or without enclosure. (Enclosures upto IP 55 are made in-house in our Fabrication shop)

All our products are customized as per our clients' requirement.





TRANSFORMERS
Transforming power Efficiently

UL & CE approved Magnetics

- Gujarat Plug-In Devices is one of the first few companies in India to be approved by the Underwriters' Laboratory (UL) in the small transformer range.
 - Technical File E302166 under which we supply transformers upto 40KVA (low voltage) listed as per UL 506 / UL 5085.
 - Insulation File E301764 under which we supply Transformers and Inductors/Reactors of all ranges for Class H insulation scheme.
 - Our products are exported extensively to USA on a regular basis.
 - All raw materials are procured from UL approved vendors.
- GPD is certified to manufacture CE marked Control Transformers and Input/Output Chokes. Thus we have opened ourselves to the World Market.
 - 1-phase & 3-phase Transformers upto 40KVA
 - Input Chokes up to 500A
 - Output chokes up to 500A
 - Class F as well as Class H insulation



Inductors

- Input / Output Chokes are used in AC Drives, Solar and Wind panels, etc. We manufacture a wide range of input/output chokes with different impedance levels.

KW	HP	MOTOR CURRENT	CHOKE CURRENT		KW	HP	MOTOR CURRENT	CHOKE CURRENT
0.7457	1	1.8	2.2		30	40	54	61
1.11	1.5	2.5	2.8		37.3	50	67	73
1.5	2	3.4	4.1		45	60	79	90
2.23	3	4.8	5.6		56	75	95	106
3	4	6.4	7.2		75	100	125	147
3.72	5	7.7	10		90	120	147	177
5.6	7.5	11	13		112	150	180	212
7.5	10	14.5	16		150	200	235	260
11.2	15	22	25		187	250	292	315
15	20	28.5	32		225	300	375	395
18.6	25	34	38		250	335	413	480
22.4	30	40	44		317	425	496	600

Input / Output Chokes: 3-phase, 415V rated 2 to 5 % voltage drop levels, 50Hz, Class F/H

- Also produces:- Smoothing Reactors, Air Core Chokes, DC Chokes upto 1000A.
- Our Design Department has successfully developed High Frequency Reactors upto 40KHz exactly as per the clients' specifications.
- Magnetic materials used are Amorphous Core, Powder Core, Special Sheet laminations as well as Ferrite.
- Inductors specially designed for Inverters, AC Drives, Capacitor Panels and Filters.

Test Bench & Control Panels

- Our in-house fabrication unit masters in manufacturing Control Panels like

- HV Test Bench
- Current Source Test Bench
- Panels like MCC, PCC, RCP with mimic designs
- High quality switchgears from L&T, ABB, Schneider, etc are used.

