



# VECTOR ENGINEERS



## PRODUCT PROFILE



VFD | Harmonic filters  
Capacitors | Meters/EMS  
Controller | ACCL | ATes  
Relays | Heaters | Enclosures  
Plug & Sockets



# VFD, VFD Panels & Harmonic Filters



## Danfoss VLT & VACON Series and Range

- ▶ VVFD Drives and VFD Panels also Soft Starters :  
Range : 0.37KW to 5MW. Voltage : 380V to 690VAC
- ▶ For Variable and Constant Torque Applications.
- ▶ VLT Series: FC51, FC360, FC101, FC102, FC103, FC301/302, FC202, FC280, FCD302, One Gear Drives & IP54, WiFi VFDs with IoT platform.
- ▶ & VACON Series: Vacon20, Vacon100, NXS, NXP Energy Storage System(ESS), Hybridisation, Grid Converters, AC/DC, Common DC and AFEs .

## Applications

Refrigeration	Compressors/Chillers	Centrifuges & Reactors
Cranes & Material handling	Conveyors, Hoists & Elevators	Fan, Blower & Pumps
Extruders & Blenders	Grinders & Mixers	HVAC, AHUs & Clean Room
Pallets, Sorting & Packing	Crushers & Agitators	STP & WTP Plant
Cement Kiln & Mills	EV Charging / EV Vehicle DC System	Energy Storage System (ESS)

## Industries

Chemical & Pharma	Food & Beverages	Dairy Industries
Cold Storages	Steel & Cement	Paper & Pulp
Sugar Industries	Mega Food Parks	Textile Parks
Railways	Power Plants	Aerospace / Marine
Dall, Oil & Rice Mills	Spices & Confectionery	Original Equipment Manufactures
Poultry, Meat & Feed Industries	Rubber & Automobile Industries	Processing Many more Industries

## Automation Solutions

VFD Automation Solutions like Crane Automations, Refrigeration, Pump Logics, HVACs BMS, IoT Technologies and etc.

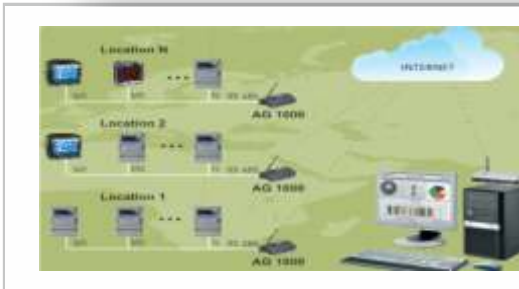
## Service Support

Selection of VFD, Programming, Testing & Commissioning Support. Also Most Important after Sales Service Support with all Drives spares available.

# Digital Meters & EMS



- ▶ Digital Metering & Energy Management Systems (EMS),
- ▶ Basic Ammeters & Voltmeters
- ▶ Energy Meters, Load Managers and Multifunctional meters with RS485 Com Port, Branch Circuit Monitor
- ▶ Intelligent Earth Leakage Relays (iELRs) with CBCTs.
- ▶ iACCL and Pre-Paid Meters
- ▶ ATeS - Auto Transfer Switches
- ▶ Max Demand Controllers & Data Loggers
- ▶ ELNet Energy Management System (EMS)



# Capacitors, APFCR Panels, Plug & Sockets / Jbs



- ▶ Capacitor Banks : Box and Cylindrical type, APFCR Panels, Harmonic Filters, Active and Passive Harmonic Filters and also Hybrid Harmonic Filters. Plug & Sockets and IP65 Junction Boxes.
- ▶ Reactors and Thyristor Switches.
- ▶ Plug & Sockets for: Industries, Work Shops, IT Parks, Data Centers,
- ▶ Events, Sound System and Large LED Displays. Also Shopping Centers.
- ▶ Indoor and OutDoor Construction Temporary Plug & Socket Panels.



## Protection & Control Relays



The most Versatile range of Numeric / Digital Relays for Power Protection, Control & Monitoring for Motor, Generators, Feeders, Sub-stations & Industries.

- ▶ Transformer Protection Relays: CSE-Pro-T,
- ▶ Generator Protection Relays:
- ▶ Motor Protection Relays: Mpro-200 /100/90, CSENEX-M and CSE-Pro-200
- ▶ Feeder Protection Relay: IRI, MR Series
- ▶ AMF Relays EC2 and Synchronising Relays
- ▶ Auxiliary Protection Relays like CLR/CAR etc
- ▶ Voltage and Frequency Relays.
- ▶ Drawout and Non-Drawout Relays
- ▶ Directional and Non -Directional Relays
- ▶ Earth Fault and Earth Leakage Relays(ELRs)
- ▶ Synchronizing Relays



## Electric Heating Solutions

- ▶ Electric Heating Solutions:
- ▶ Electric Heaters, Cartridge, Tubular, Strip, Immersion, Circular, Silicon, Ceramic Fiber, Radiant Heaters
- ▶ and heater Control Panels.
- ▶ Temperature Controllers, Single & Multi Loop with Profile Controllers. PM, RM & F4 D/T Controller
- ▶ Power Switching Devices - Thyristor Controllers (SCRs)- DIN A MITE, Qpac & Aspyre
- ▶ Temperature Sensors – RTDs & Thermocouples.
- ▶ Temperature Scanners and Data Loggers.



Roshan adz  
advertising & design

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Business Partners**



## VECTOR ENGINEERS

#102, Plot No. 51, Rd# 7, TMC, Mahindra Hills  
East Marredpally, Secunderabad - 500 026 (T.S),  
India. Ph : 040 - 27739919 & (M) : +91 9491073449.  
e-mail : sales@vectorengineers.com, vectorhyd@gmail.com