

cnectix
CONTROL SYSTEMS

SOLAR
SOLUTIONS

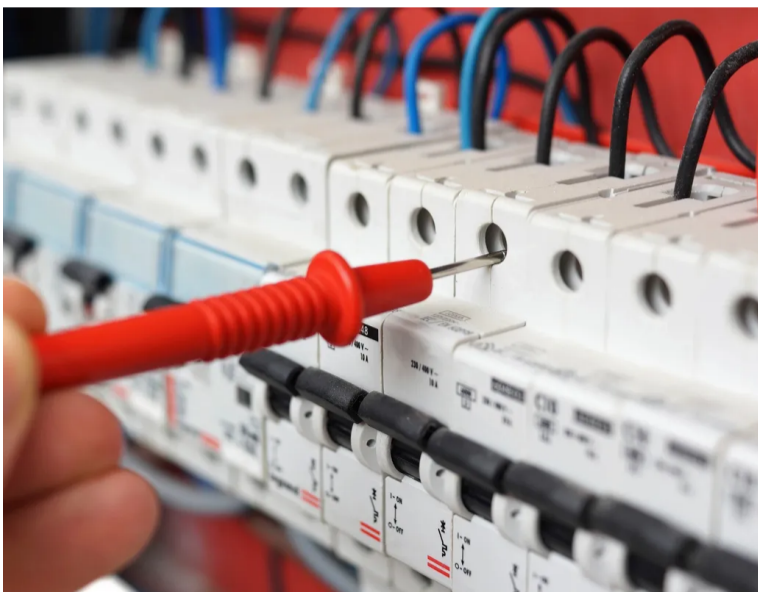


WHO WE ARE |

Cynectix started its operation as a Design and Engineering Service offering company in field of Mechanical and Electrical design in year 2021. Within a year Cynectix has gained good reputation and popularity among its esteemed Customers and have achieved great milestones with securing long terms contracts.

With our vision of Stimulate Creativity, Drive Innovations, we foster creative ways of thinking to provide better Solutions, Services and Experiences that help our customer achieve their Vision.

Cynectix is here with right mind sets, passionate teams, and conducive environment to foster successful innovations.



In August 2022, Cynectix Control Systems was formed concentrating its Electrical and Electronics segment separately with a clear focus on the design and manufacturing of components and systems in this field.

We have our deepest commitment to our customers. We strive to offer a wide range of products and services in the industrial, commercial and consumer markets through our innovative technologies while maintaining the best quality and solutions to the paramount satisfaction of our clients.

DC Distribution Box

Technical Details :

System Capacity	upto 10 KW
Input String	upto 4
DC MCB	VDC - 500 / 1000 No.of Poles - 2P / 4P
SPD	VDC - 600 / 1000 No.of Poles - 2P / 3P
Fuse	1000 VDC, 32 Amps
Cable	2.5 / 4 sq.mm DC PVC Copper
Terminal Blocks	10 sq.mm
Earthing Terminal	Yes
Enclosure	ABS or Polycarbonate
System Voltage	1000 VDC

Variants	
Model	Description
CY DCDB - 2-2	2 IN 2 OUT
CY DCDB - 4-4	4 IN 4 OUT
CY DCDB - 6-6	6 IN 6 OUT
CY DCDB - 8-8	8 IN 6 OUT

Description :

- DC Distribution Box (DCDB), basically collect DC power from PV Strings with blocking diodes on each string for protecting panels from reverse current flow. The collected power is then transferred to power inverter.
- We offer highly functional DCDB, that suitable for different Solar Power applications. It is tested for flawless functionally and durability.
- DCDB have suitable cable entry points fitted with cable glands of appropriate sizes for both incoming and outgoing cables.
- DCDB are dust & waterproof made of Thermoplastic (ABS).

AC Distribution Box

Technical Details :

System Capacity	upto 10 KW
No.of Phase	1 PH, 3PH
AC MCB	VAC - 230 / 440 No.of Poles - 2P / 4P
SPD	VAC - 600 / 1000 No.of Poles - 2P / 3P
Cable	2.5 / 4 sq.mm AC Copper
Terminal Blocks	10 sq.mm
Earthing Terminal	Yes
Enclosure	ABS or Polycarbonate
System Voltage	230 / 440 VAC

Variants	
Model	Description
CY ACDB 1-1 : 3 PH	1 IN 1 OUT
CY ACDB 2-1 : 3 PH	2 IN 1 OUT
CY ACDB 3-1 : 3 PH	3 IN 1 OUT
CY ACDB 4-1 : 3 PH	4 IN 1 OUT

Description :

- ACDB provides extra protection to the system in case of failures on land side, monitor the consumption of power from SPV Power Plant.
- Our ACDB's are designed and manufactured with high quality components to deliver best product.
- AC Distribution Box makes maintenance easier & enhances system reliability.

String Monitoring Box

Technical Details :

Enclosure Material	FRP / ABS / Polycarbonate
Ingress Protection	65 / 66 / 67
Operational Voltage	Upto 1500 VDC
Current Range	40A DC
Internal Bus Bar	Copper
Input / Output Method	PVC Gland / MC 4 Connector
Input Protection	1500 VDC Isolator Surge Protection Device Over Voltage Protection
Structure Type	Wall / Structure Mounted
Operating Temperature	Upto (-25 °C) - (+80 °C)
Monitoring Device	RS485 / OFC

Variants	
Model	Description
CY SMB 1500 VDC 8-1	8 IN 1 OUT
CY SMB 1500 VDC 12-1	12 IN 1 OUT
CY SMB 1500 VDC 16-1	16 IN 1 OUT
CY SMB 1500 VDC 24-1	24 IN 1 OUT
CY SMB 1500 VDC 32-1	32 IN 1 OUT

Description :

- SMB are upgraded version of SCB integrated with monitoring device to measure SPD Status, DC Disconnecter Status, Temperature Measurement, Voltage & Current Measurement & other customized parameters.
- SMB are designed & manufactured with high quality components to deliver best product.
- Offer string monitoring solutions for Utility & Commercial segments.
- Our String Monitoring Boxes are in-line with IEC & UL Standards.

LT Panel

Technical Details :

Enclosure Material	CRCA / Galvalume
Ingress Protection	54 / 55
Operational Volatge	Upto 800 VAC
Insulation Voltage	Upto 1000 VAC
Max Operationg Current	630A AC
Internal Bus Bar	Aluminium / Copper
Input / Output Method	Double Compression Gland
Input Protection	800 VAC MCCB
Standards	as per IS & IEC 61439
Inbulit SPD Air Circuit Breaker Multi-Function Meter Auxiliary Panel	

Variants	
Model	Description
CY LT - 3-1	3 IN 1 OUT
CY LT - 4-1	4 IN 1 OUT
CY LT - 5-1	5 IN 1 OUT
CY LT - 6-1	6 IN 1 OUT
CY LT -8-2	8 IN 2 OUT
CY LT - 10-2	10 IN 2 OUT
CY LT - 12-2	12 IN 2 OUT

Description :

- LT Panel are designed & manufactured with high quality components to deliver best product to utility & commercial segments.
- Suitable for Indoor & Outdoor installation with weather proof features.
- Suitable for Ground Mounted / Rooftop applications.
- LT Panels are designed as per IEC & IS Standards.

String Combiner Box

Technical Details :

Enclosure Material	FRP / ABS / Polycarbonate
Ingress Protection	65 / 66 / 67
Operational Volatge	Upto 1500 VDC
Current Range	40A DC
Internal Bus Bar	Copper
Input / Output Method	PVC Gland / MC 4 Connector Double Compression Gland
Input Protection	1500 VDC Isolator Surge Protection Device Over Voltage Protection
Structure Type	Wall / Structure Mounted
Operating Temperature	Upto (-25 °C) - (+80 °C)

Variants	
Model	Description
CY SCB 1500 VDC 8-1	8 IN 1 OUT
CY SCB 1500 VDC 12-1	12 IN 1 OUT
CY SCB 1500 VDC 14-1	14 IN 1 OUT
CY SCB 1500 VDC 16-1	16 IN 1 OUT
CY SCB 1500 VDC 24-1	24 IN 1 OUT

Description :

- Our String Combiner Box are designed & manufactured with high quality components to deliver best product to utility, commercial and residential segments.
- String Combiner Boxes are used to combine multiple string or arrays from PV modules to collate Single DC Output.
- Customised product range from 500 VDC to 1500 VDC with reliable safety features.
- Our String Combiner Boxes are in-line with IEC & UL Standards.

AC Combiner Box

Technical Details :

Enclosure Material	CRCA / Galvalume
Ingress Protection	54 / 55 / 65 / 66
Operational Volatge	Upto 800 VAC
Insulation Voltage	Upto 1000 VAC
Max Operationg Current	630A AC
Internal Bus Bar	Aluminium / Copper
Input / Output Method	Double Compression Gland
Input Protection	800 VAC MCCB
Standards	as per IS & IEC 61439

Variants	
Model	Description
CY ACCB 800 VAC 2-1	2 IN 1 OUT
CY ACCB 800 VAC 3-1	3 IN 1 OUT
CY ACCB 800 VAC 4-1	4 IN 1 OUT
CY ACCB 800 VAC 5-1	5 IN 1 OUT
CY ACCB 800 VAC 6-1	6 IN 1 OUT

Description :

- AC Combiner Box are designed & manufactured with high quality components to deliver best product to utility & commercial segments.
- Suitable for Indoor & Outdoor installation.
- Suitable for Ground Mounted / Rooftop Solar projects.
- Customize product as per customer requirement.
- AC Combiner Boxes are inline with IEC & IS Standards

Available brand range in our portfolio :





CYNECTIX CONTROL SYSTEMS PVT.LTD.

Contact Us



Shop FF/A-03, Nilkanth Villa,
Near Yogiraj hub, Nr. D - Mart,
New Karelibaug, Vadodara,
Gujarat - 390019



sales@cynectix.com



www.cynectix.com



+91 99798 66893