



**POWER  
BACK-UP  
&  
DISTRIBUTION  
SOLUTIONS**







## ABOUT US

## WE DELIVER SAFE POWER

Core Metal Krafts Ltd. (Electrical division of IEC)  
is an ISO 9001:2015, ISO 14001:2015 certified company.

Over the past decade, we have emerged as a strategic solution  
provider for safe Power Distribution, Control, Automation & Energy Man-  
agement Solutions based on Power Factor & Harmonic Filtrations

Our Product Line Includes

Distribution Panels for Construction & Infrastructure | Diesel Gensets | PCC & MCC  
Automation & Drive Panels | APFC Panels & Harmonics Filtration Solutions | Busducts  
Bus-Trunking | General Purpose Enclosure | MCB Distribution Boards | MCBs | Isolators  
On Load changeovers





# INFRASTRUCTURE



Equipped with Latest  
Hi-Tech CNC & Special  
application Machines.  
Facility Leverages to  
incorporate required quick  
Design enhancements &  
substantiate flexible capacity to  
meet market requirement Surges.







## **ENERGETICA RANGE**

**Construction, Infra,  
Solar Power  
Distribution Solutions  
& MCB DBs**



**Vast range of  
Distribution Solutions  
for safe power through  
Modular Polycarbonate /  
CRCA / Stainless Steel  
enclosures for Distribution,  
Power Plug & Socket System.  
Extensive Range of CRCA General  
Purpose Enclosure Systems &  
MCB DBs are available as standard  
offerings. Stainless Steel Enclosures  
are also available against specific  
requirements.**



**Poly Carbonate Modular DBs**



**Plug & Socket DBs**





The image shows a large industrial facility, likely a substation, with rows of PTTA (Power Transformer Test Apparatus) panels. The panels are arranged in long rows, with some featuring red and blue doors. The facility has a high ceiling with exposed pipes and lighting. A large, stylized orange and yellow graphic element is overlaid on the left side of the image, containing the text 'PTTA PANELS (ENERGETICA RANGE)'. Below this, a list of technical specifications and test requirements is provided. The background image is a photograph of the substation, showing the panels from a perspective that looks down a long aisle.

## PTTA PANELS (ENERGETICA RANGE)

ENCLOSURE - CRCA 1.6 MM/ 2 MM  
IP - 42/54/55

Form - 2B/3B/4B

Gasketing - Liquid PU Gasket

Busbar System - Aluminum / CU

Surface Coating - Phosphated / Powder Coated

Type Tests - Short Circuit Withstand upto 70 KA for 1sec  
confirming to IS8623 (Part1-1993)

Temperature Rise Test Confirming to IS8623 ( Part1-1993) IP Test 54/55

Routine Tests - High Voltage Test

Insulation Resistance Test

Continuity & Functional Tests

Interleaved Main Busbar System as Part of special offerings

Live parts are shrouded for safe operations





**TTA PANELS  
- IEC 61439  
(TI RANGE)**

Ti Range -  
Confirming to  
IEC 61439-1&2  
(License from  
Larsen & Toubro - E&A)

Applicable Standards:  
IEC61439 Part 1&2 |  
Rated Operational voltage:  
415 - 690 VAC, 24 -220 VDC  
Rated Current Main Horizontal Busbar:  
upto 8000A | Rated Short time withstand  
current: upto 100 KA, 1sec Rated Current  
Vertical Busbar: 3000A | Degree of Protection:  
IP 42/5X\* | Busbar System: Aluminum/CU Form of  
separation: 3b/4b | Surface Treatment: Phosphated &  
Powder Coated Compliance to Internal Arc, Sesimic &  
Impact resistance of IK10

\*On request





**TTA PANELS  
- IEC 61439  
(BLOKSET RANGE)**

**BlokSet**

**RANGE -**

**Confirming to**

**IEC -61439 -1&2**

**(Under License from  
Schneider Electric)**

**Applicable Standards**

**IEC -61439 (Part 1 & 2) |**

**Rated Operational voltage:**

**415-690V AC, 24-220V DC**

**Rated Current Main Horizontal**

**Busbar: up to 7000A | Rated Short  
time withstand current: up to 100KA for**

**1 Sec. | Rated Current Vertical Bus bar:**

**3200A | Degree of protection: IP42/54 |**

**Busbar System: Aluminium /CU | Form of**

**Separation: 3b/4b | Surface | Treatment:**

**Phosphated/Powder Coated | Compliance to**

**Internal Arc, Seismic & Impact Resistance of IK10 |**

**Drawout version available in Aluminum/copper Models**







**INSTALLATIONS**



**Mega Installations**

**Healthcare - Hospitals**

**Pharmaceuticals**

**Industries | Infra**

**Utilities - Discoms**

**Busduct solutions\* as  
turnkey projects**

**\*Engineering, Supply, Installation**



## MEDIUM VOLTAGE - VCB PANELS

Medium  
Voltage -  
VCB Panels

Range:

Current Rating

630A-3150A |

Rated Voltage -12KV |

Breaking Capacity

26.3KA/40KA/50KA |

Duration of Short Circuit

Withstand - 3Sec. | Internal

Arc Classification AFLR

Upto 40KA for 1 Second and

50KA for 0.5Second | Compact &

Safe | Complies to IEC 62271-100,

62271-102 and 62271-200 | Metal Clads,

Fully Compartmentalized Panel,

Horizontal Isolation, Horizontal Draw out |

Panel Readily Extensible on both sides

\*Offerings in -36 KV also available







## COMPACT SUB-STATIONS



CSS:

Conceptual  
Design

Facilitation\* /

Detailed Engineering

for Manufacturability /

Separate Compartments

for MV, LV & Transformer /

Enclosure offering in CRCA or

GP Sheet top Coat UV Resistant

Powder Coating / Load bearing

base frame / Suitable Lifting arrange-

ment | LV Switchgear: Rated upto

2500A, 440 V, upto 8 nos. of outgoing with

ACB Incomer | MV Switchgear: RMU: 12 KV /

630 A / 21 KA , Internal Arc fault Tested for 21 KA,

1Sec. in compliance with AFLR IEC 62271-200

Transformer: Space Designed upto 1600 KVA |

\*Detailed Designing in coordination with Transformer

Manufacturers



## SILENT DIESEL GENSETS



### Silent Gensets:

Portable Range

upto 5 Kva

Silent DG sets

5Kva to 1500 KVA

Gas Gensets

15 Kva to 250 Kva

IEC Gensets Ltd. is the Original Equipment Manufacturer for the Manufacture & Marketing of Generating Sets, We Provide Complete Solutions including AMF/ Auto Synchronizing & Load Management / Turnkey Projects.







**STANDARD  
DEVICES  
&  
ENCLOSURES**

# ENERGETICA

General Purpose Enclosures

Distribution Boxes

SPN

Row DBs

Horizontal TPN

Vertical TPN

Vertical TPN -Split Form

MCBs

Isolators

On Load Changeovers



# CERTIFICATIONS



## MARKETING PLATFORMS ACREDITATIONS





# CLIENTELE



& MORE...



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**MARKETING OFFICES:**

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Ludhiana, Jalandhar, Amritsar, Jammu

[www.iecgensets.com](http://www.iecgensets.com) | [www.cmkl.co.in](http://www.cmkl.co.in)

