

POWER &
ENERGY
MANAGEMENT
SOLUTIONS

PRODUCT CATALOGUE

JUNE 2019



ABOUT US

Atandra Energy Pvt. Ltd., based in Chennai, India, is built on a platform of over 35 years experience in the area of Power and Energy management.

Leading Brand

We offer solutions to industrial and commercial establishments under our popular brand KRYKARD. With over 4,00,000 installations of Power Conditioners and over 1,50,000 installations of Portable and Panel Load Managers, KRYKARD is one of the leading brands in India, in the area of Energy Management.

Our Facilities

- An ISO 9001:2015 Certified factory
- CE Certified Power Conditioning Products
- R&D departments for Embedded designs, Power Electronics and Electro magnetics
- A Software Development department to design, develop and customise Energy Management Software.

With over 300 employees and a network of 32+ branches across India, we are equipped to reach and service the needs of our customers.

Our Sales / Service Locations in India



Ahmedabad | Belgaum | Bengaluru | Bhubaneswar | Chennai | Coimbatore | Chandigarh | Erode | Faridabad
Guntur | Guwahati | Hosur | Hyderabad | Indore | Jaipur | Kochi | Kolkata | Kolhapur | Lucknow
Ludhiana | Madurai | Mumbai | Nagpur | New Delhi | Patna | Pune | Raipur | Rajkot | Tirupur | Surat | Visakhapatnam

MEASURE



CLASS - A POWER QUALITY ANALYSERS

- Complies with IEC 61000-4-30 Class A standard
- High Accuracy for Instrument - V & I is 0.1% and kW & kWh is 0.2s
- Captures Sags, Swells & Transients from 130 Cycles to 10K cycles
- Dranview7 software for PQ report generation with latest standards



POWER QUALITY ANALYSERS

- Different models to choose from to meet different budgets and applications
- Clamp options to measure from 5mA to 10,000A
- Comprehensive Power, Energy and PQ measurements
- Upto 13 hours battery backup
- Preferred by leading Energy Auditors and Energy Managers



PANEL LOAD MANAGERS

- Accuracy Class 0.2s, 0.5s and 1.0
- Meters for Incomers, Feeders and Loads
- Accuracy maintained under low current, low PF and high harmonic load conditions
- Meters with Load Management functions
- PQ meters, Demand Controllers, Energy Meters, Load-end meter



THERMAL IMAGERS



INFRARED THERMO METER



CONTACT THERMOMETERS WITH 1,2&4 CHANNELS

THERMAL MEASUREMENTS

Thermal Imagers

- From -20°C to +250°C; Resolution 80x80 & 160x120
- Storage voice message for each image or Combine electrical and thermal snapshots

Contact Thermometers

- Compact 1,2 & 4 channels with Backlit display
- Inputs for K, J, T, N, E, R, S, PT100 & PT 1000
- Measurement range: -210°C to +1,767°C

Infrared Thermometers

- Distance/spot ratio (D/ø): 8/1, 12/1
- Measurement: - 40 °C to + 538 °C

MEASURE

CURRENT, POWER & HARMONIC CLAMPS



- Measures TRMS AC/DC Voltage & Current
- Ranges from 1 mA to 2000A AC/DC
- Models with True Inrush
- Data logging
- Android App for view / download
- Models for earth leakage current measurements
- Pocket size & Palm size models

TRUE RMS MULTIMETERS



- AC/DC Voltage 1000V
- Hz, Ω , Capacitance, Continuity/Diode
- Measures from 2k to 100k counts
- Models with NCV no-contact voltage indication
- Bandwidth upto 300kHz
- Safety: IEC 61010-1, 1000V-CAT III/600V CAT IV
- Pocket size & Palm size models



Digital Power Oscilloscope



Handheld Digital Oscilloscope

LABORATORY EQUIPMENTS

- 2 & 4 isolated channels, 40 MHz to 300MHz
- 5 instruments in 1: Oscilloscope, FFT, Multimeter Logger & Harmonic Analyzer, Wattmeter



Earth & Resistivity Tester



Insulation & Continuity Tester



Earth Clamp & Loop Tester

ELECTRICAL SAFETY INSTRUMENTS

- Insulation Testers from 50V to 15,000V
- Earth Resistance from 0.001 to 100k Ω
- Leakage current from 0.2 mA to 40 A
- Measurements: V, A, Hz, Ω , Continuity



Indoor Air Quality



Anemometer



Tachometer



Lux Meter



Thermo-Hygrometer

PHYSICAL AND ENVIRONMENTAL INSTRUMENTS

- Recording upto 1 million points, USB, Bluetooth
- Alarms & recording trigger on Alarm
- Thermo-Hygrometer - RH, Dew point, Temperature
- Anemometer - Air Speed, Flow Rate & Temperature
- Lux Meter - Upto 2,00,000lx, LED - +6% rdg, Fluorescent lamp - +9% of rdg
- Indoor Air Quality - CO₂, Temperature, Humidity Logger
- Tachometer - RPM, Rotation Speed, Linear Speed

PROTECT



The NO-COMPROMISE UPS

- IGBT Inverter with Inverter Isolation Transformer
- 10 to 500 KVA 3 phase On-Line Double Conversion
- Output PF @0.9 for more power delivery
- High efficiency
- Smaller Foot print ~ 10% - 20% less than others
- Adjustable Batteries count: 29 to 32 ($\leq 120\text{KVA}$) and 48 to 52 ($\geq 150\text{KVA}$)



IoT SERVO STABILISERS - FOR YOUR FACTORY

- Factory Incomer
- Factory Departments
- Group Load Incomer
- Commercial Building Incomer
- Hospital & Hotel Incomer



SERVO VOLTAGE STABILISERS

- 30 year experience
- Microprocessor based Control
- VAF display
- Comprehensive Protection
- Preferred supplier for corporate customers
- Upto 4000kVA rating



ISOLATION TRANSFORMERS

- Upto 500kVA rating
- Galvanic and Ultra Isolation Transformers
- Step-down and Step-up Transformers



ACTIVE HARMONIC FILTERS

- Mitigate harmonics upto 50th order
- Improve PF to 0.99 and above
- Avoid Penalties from EB
- Minimise machinery failures due to harmonics
- Increase Transformer utilisation factor

CONSERVE

ALENSOFT



ENERGY MANAGEMENT SYSTEM

- **A Live Energy Auditor** - helps you identify, measure & advise you of Electrical Load Balancing, machine side Losses, Specific Energy Consumption, Productivity analysis & overall process/plant efficiency
- Powerful platform for managing and optimising resources for any type of industry
- Connect hundreds of energy, water, air or gas meters to a single consolidated system

ALENCLOUD



CLOUD BASED ENERGY MANAGEMENT SYSTEM

- **A Mobile Energy Auditor “on the go”**- helps you with faster & quick energy consumption analysis and enable you to take action by way of user friendly KPI dashboards
- A perfect solution for small factories, buildings and retail outlets
- Built to view data across multiple remote sites
- iOS and Android mobile apps for anywhere, anytime access and alert notifications



LIGHTING ENERGY SAVERS

- Saves upto 25% on lighting loads
- Works effectively on Tubelights, Sodium Vapour, Mercury Vapour, CFL
- Reduces failures in lighting
- Improves PF and reduces Demand
- Drastic reduction in Harmonics and ballast induced spikes

Some of Our Esteemed Clients





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OUR DEALER