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AKGIM
POWERING OPPORTUNITIES



POWERING OPPORTUNITIES

NUMERIC
A Group brand 

 **SERVO**
POWERCON
SURE FOR PURE POWER

 **LUKER**

 **Racold**
The Hot Water Specialist

KOEL
GREEN

 **EXIDE**
INDUSTRIAL

ONFINITTI (1P-1P)

ONLINE UPS 1 KVA - 10 KVA

Salient Features

- Flexible battery configuration
- User Friendly Display Interface
- Temperature compensated battery charger 50°C operation
- Field Upgradable charger
- Polarity protection for battery connection
- Intelligent fan operation
- Built-in isolation transformer
- Advanced communication
- Over-voltage cut-off device



Applications

- Servers • PC's • ATMs • Printers • Communication equipments

HP Max Series (3P-1P)

ONLINE UPS 1 KVA - 40 KVA



Salient Features

- IGBT Rectifier
- High Power Density Output PF 0.9
- Active Power Factor Correction
- High Input PF > 0.99
- Input THDI < 5%
- Utility frequency Independent
- Pure Sine Wave output
- Wide Input Voltage range
- Full time EMURF1 suppression
- High Efficiency > 93%
- Cold start capability
- Full function LCD Display to monitor electrical parameters
- Smart battery management
- Generator Compatibility
- Galvanic Isolation option
- Compact Design, Small footprint
- User Friendly features
- SNMP Interface - Web enabled monitoring
- Custom built Long backup Models
- Parallel Redundant configuration
- Compliance to International standards

Applications

- Internet Servers • VSAT Communication Networks & Switching Equipment
- Networks • Process Control • Telecom • Critical applications as life saving medical applications
- Internet Servers • VSAT Communication Networks & Switching Equipment • Networks • Process Control • Telecom • Critical applications as life saving medical applications

HP i33 (3P-3P)

ONLINE UPS 10 KVA - 40 KVA

Salient Features

- Compact Footprint
- Load Power Factor
- Isolation Transformer Option
- Long Backup Charger
- Operating Voltage Range
- Input Power Quality
- Battery



Applications

- Telecommunication • Networking • IT • Tech Room • Business • Education

KEOR T (3P-3P)

ONLINE UPS 10 KVA - 500 KVA



Salient Features

- 10 to 120KVA Capacity Range at 3Ph 400V Version
- 5 to 60kVA Capacity Range at 3Ph 208V Version
- New KEOR T EVO up to 20 kVA with power factor 1
- 3 Phase Input / 3 Phase Output
- 3-Level Switching Technology
- IGBT-Based Rectifier and Inverter
- High Efficiency
- Digital Signal Processor (DSP)
- 3.5" TFT Touch Panel
- High Input Power Factor (PFC)
- High Output Power Factor
- Low Input and Output Total Harmonic Distortion (THD)
- Genset operation compliant
- On Site Modular Paralleling Capability up to 6 Units
- Availability of Different Communication Types

Applications

- CNC Machines • Medical equipments Shopping Malls • Lifts • Process Industries • Residential and commercial • Educational Institutions
- Electrical appliances • Textile Industries • Telecommunication
- Networking • IT

Technical Specification for Oil Cooled Stabilizer (3P-3P)

VOLT SAFF 10KVA- 2000KVA

Salient Features

- High Efficiency
- No wave form Distortion
- Speed of correction up to 35 V / Sec
- Response time < 20 Sec
- Immune to Load PF & supply frequency variations
- Power loss 2% Max
- Duty Cycle continuous
- Very High Reliability
- Easy & Simple maintenance
- Compliance to International Standards



Applications

- CNC Machines
- Medical equipments
- Shopping Malls
- Lifts
- Process Industries
- Residential and commercial
- Educational Institutions
- Electrical appliances
- Textile Industries

Technical Specification for Air Cooled Stabilizer (3P-3P)

VOLT SAFF 2 KVA- 50 KVA



Input	Output	Ratings
415V AC 3 Phase	415V AC 3 Phase	150 VA to 500 KVA 3 phase
415V AC 3 Phase	220V AC 3 Phase	150 VA to 500 KVA 3 phase
230V AC 1 Phase	230V AC 1 Phase	150 VA to 50 KVA
230V AC 1 Phase	110V AC 1 Phase	150 VA to 50 KVA

System Connections	:	Delta / Star or Star/Delta
Ratios	:	1:1 and 2:1
Regulations	:	Better than 3.5%
Power Factor	:	0.75 lag to 0.75 Lead
Di-electric Strength	:	2500 V AC for 120 Sec
Insulation resistance	:	More than 1000 Mega Ohms
Coupling Capacitance	:	0.1 PF for 100 db
Leakage Current	:	Less than 20 micro amps
Common Model attenuation	:	100 db

Applications

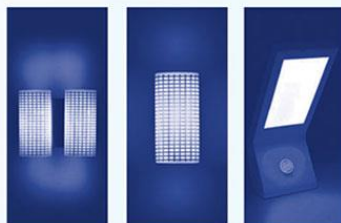
- CNC Machines
- Medical equipments
- Shopping Malls
- Lifts
- Process Industries
- Residential and commercial
- Educational Institutions
- Electrical appliances
- Textile Industries

LUKER LED LIGHTS

Inspired from the Universe.
Committed to save energy.



LED HIGH GLOW BULBS
LED CLASSIC BULBS / FILAMENT BULBS
LED TUBE LIGHTS
LED SLIM PANELS - ELEGANT Series
LED SURFACE PANELS - ELEGANT Series
LED SLIM PANELS LIGHTS - PREMIUM Series
LED SURFACE PANEL LIGHTS - PREMIUM Series
LED DOWNLIGHTS - Indoor & Outdoor
LED BACKLIT PANELS
LED COB LIGHTS
LED DIMMABLE COB LIGHTS
LED ZOOM LIGHTS
LED SPOT LIGHTS
LED FOCUS LIGHTS
LED TRACK LIGHTS
LED CEILING LIGHTS
LED STRIP LIGHTS
LED STREET LIGHTS
LED STREET LIGHTS - SLEED Series
LED FLOOD LIGHTS
LED FLOOD LIGHTS - ENDEAVOUR Series
LED FLOOD LIGHTS - SLEEK Series
LED HIGH BAY LIGHTS - INDOOR
LED HIGH BAY - OUTDOOR, WELL GLASS & CANOPY LIGHTS
LED UNDERWATER LIGHTS (24V DC)*
LED STRIP DRIVER / RGB CONTROLLER / SLEEK DRIVE / OUTDOOR DRIVE
AETHER - INDOOR WALL LIGHTS
HELIOS - INDOOR MIRROR LIGHTS
PLUTOS - OUTDOOR WALL LIGHTS
STYX - BULKHEAD LIGHTS
TRITON - INDOOR & OUTDOOR FOOTLIGHTS & PATHWAY LIGHTS
ZEUS - OUTDOOR GARDEN LIGHTS & GATE LIGHTS
APOLLO - INDOOR HANGING LIGHTS
LED LINEAR LIGHTING (ASSEMBLED)



Solar Water Heaters



Racold
The Hot Water Specialist



CHARACTERISTICS	RACOLD	OTHERS	RACOLD ADVANTAGE
Outer body	Zinc Alumne Sheet	MS/FRP/AL	Non-corrosive. durable. UV resistant and long life
Inner container material	Food Grade SS 3161 plasma welding by automated machines	SS/MS TIG welded by manualwelding machines	Low-Carbon steel, corrosion resistant, durable and long life
Special protection for inner container	Passivated with special chemicals	Manual coating of epoxy / enamel	Corrosion resistant, durable and long inner life, coating on MS don't last for long causing corrosion
Pressure withstanding capacity	8 Bar	3/5 Bar	Capable of withstanding high operating pressure
Safety valve	Italian - 4 in 1 Multi function safety valve	Not available	Makes your solar the safest with pressure releif, non- return, anti-drainage function and drainage function
Additional safety	Special imported Air Release & Vaccum Release Valve	Not available	Releases air avoids vaccum
Container insulation	High density injected PUF with automatic machines	Rockwool / PUF Manual filling machines	Superior heat retention
Anode	Special Magnesium anode	Not available	Additional safety against corrosion ensuring longer life
Collector Frame for glass retention	Italian design, frameless construction - glass bonded	Aluminum strips joined with 30-40 screws	Consistent performance, complete protection against water leakage
Collector glass	High performance textured toughened glass	Clear tempered / toughned glass	Maximize solar performance
Box construction no.	Single box structure is Zinc Alumne sheet	Four aluminium frames riveted with back sheet	Sturdy, durable, UV resitant and long life
Electrical backup with thermostat	Tubular, 99.9% pure copper with Italian thermostat cum cut-out	unbranded	Long life, higher efficiency and double safety
Inner container Guarantee	5 years	Not specified	Dependable
Collector Guarantee	7 years	1 year warranty	Dependable

On-Grid & Offgrid Solar Power Solution

On-Grid Solar Power Solution

Salient Features

- Battery less technology with high efficiency
- Most affordable & Cost effective solution at the place where grid is more reliable
- Clean & Green Power & affordable cost
- Offering Sustained & Reliable Power solutions
- Protecting Environment by eliminating CO₂

Applications

- Corporate Houses with High day time load
- Schools and colleges
- Industries with day time peak load
- Industries with RPO obligations
- Small office & home office
- Commercial complexes & Software parks
- EB Export

Off-Grid Solar Power Solution



Salient Features

- Battery less technology with high efficiency
- Most affordable & Cost effective solution at the place where grid is more reliable
- Clean & Green Power & affordable cost
- Offering Sustained & Reliable Power solutions
- Protecting Environment by eliminating CO₂

Applications

- Corporate Houses with High day time load
- Schools and colleges
- Industries with day time peak load
- Industries with RPO obligations
- Small office & home office
- Commercial complexes & Software parks
- EB Export

Koel green DG

2.1 kva - 1010 kva

Salient Features

Engine

- Industries most reliable engines, proven over decades
- Low emission, high efficiency engines
- Compact, robust and rugged design
- 500 hours lube-oil change period

Canopy

- Silencer inside canopy
- Aesthetically designed bolt-less canopy
- for enhanced product life
- Weather and sound resistant enclosure
- Ease of access and serviceability
- Insulation confirms to UL94- HF1 class for flammability

Controller

- Best in class efficiency
- Minimum harmonics interference
- Vacuum pressure impregnation
- Epoxy gel coating on the winding



Alternator

- Silencer inside canopy
- Aesthetically designed bolt-less canopy
- for enhanced product life
- Weather and sound resistant enclosure
- Ease of access and serviceability
- Insulation confirms to UL94- HF1 class for flammability

Applications

- Institutions • Hospitals • Industries • Commercial complexes • Residential apartments

TUBULAR BATTERIES

40 Ah to 200 Ah

Salient Features

- Batteries withstand frequent and long power cuts
- Assembled in polypropylene containers with plate holding cradles
- Extra thick tubular plates
- To reduce topping up frequency
- Resistance to corrosion and high ambient temperature
- Low Self Discharge
- Deep Cycle Design



SMF BATTERIES

7.2 Ah to 200 Ah



Salient Features

- Low Internal Resistance
- Low Self discharge
- High Energy Density
- High Purity Specialized alloy
- Deep Discharge Capability
- High rate discharge performance
- Fast Charge Capability
- Long Shelf life
- Less weight
- Withstands frequent & Long Power Failoures



AKGIM
POWERING OPPORTUNITIES

AKGIM POWER SYSTEMS

Namakkal | Head Office

No.28, Thiruppakula street,
Fort main road,
Near Anjaneya temple,
Namakkal-637 001.

Salem Branch

No.2/18-7D,
Ground floor,
Saraswathi st.
Salem-636 004.

Krishnagiri Branch

No.66A, Gandhi nagar,
1st cross,
Krishnagiri-635 001.

☎ 04286 290544 📱 9976744454 / 9976724544

✉ headoffice@akgimpower.com

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