

Eclectic Energy

Eclectic Energy Solutions

Profile

Eclectic Energy-Product & Services

- Eclectic Energy Solutions Authorized business Partner of **Toshiba Mitsubishi UPS (TMEIC)**. we have range of UPS system is 1 KVA to 6400KVA.
- Applications- Industrial & IT ITES with food & Health care industry.

TMUPS®
Reliable and Green Energy UPS System
100 KVA to 800 KVA



Answering All Needs!!

Uninterruptible Power Supply (UPS)

TMUPS® Series Uninterruptible Power Supply (UPS) design with its patented innovative three-level circuit concept and exclusive power module delivers superior performance highest efficiency and reliability with reduced cost of ownership.

Single Module UPS - 100kVA~600kVA

World's first multi-level conversion

Uninterruptible Power Supply.

Redundant Modular UPS -
800kVA~1800kVA

TMUPS® MVA series provides megawatt of power in a single UPS frame.



Over 6.2GVA UPSs supplied worldwide & Close 100 MVA in India since introduction @ 2016 to protect its customer's mission-critical equipment during times of power instability.

>10MVA Single site at mission-critical loads of DATA CENTRE & multiple sites of >3MVA in Industrial application.

Salient Features of TMEIC ups

- Greenest efficiency (AC-AC) of **> 96% & Smart Drive Mode>98.5%**
- All-IGBT (CSTBT- Carrier store trench bipolar transistor) – **Next level IGBTs , Patented technology**
- **Advanced 3-level Conversion Technology (for Converter and Inverter)**
- Handle leading pf Loads without derating.
- High speed digital control to supply quality power to the critical load even with 100% unbalance load & with regenerative type loads. **Innovative Circuit Concept.**
- Modular design flexibility & redundancy up to 8 Modules
- **Product service life of 15+ Years – Including AC / DC capacitors**

Used UPS Sales & AMC

- We are Supply Used Reputed brands UPS in market. Like-Emerson,Socomec,Riello & Numeric.
- Rating 20KVA-1000KVA.
- We also offer warranty on used ups.
- 24x7 Services.
- After Sales We Take UPS AMC.
- We maintain the Spare parts of ups for quick up the ups system.

Harmonics & PF solutions

- We given the total solutions on Harmonics. Like- Active & Passive Harmonics Filter, Hybrid Harmonics Filter.
- For Power Factor we Given APFC, RTPFC solutions for Unity PF.
- We bring down the Harmonics level below 5% @ LT & HT side.

Active Harmonics Filter



- Active Harmonics Mitigate the Harmonics level below 5% as per IEEE 519-1992 Standard.
- 98% attenuation rate.
- Balanced current of load.
- Improve PF & Control the Harmonics.

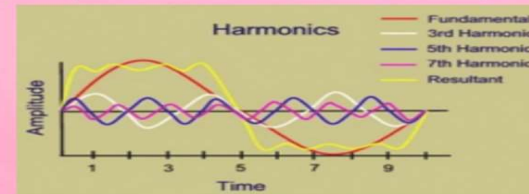
Hybrid Harmonics Filter

HYBRID HARMONIC FILTER

Hybrid Harmonic filter its a combination of dynamic active var compensation with Igbt controlled active harmonics filter. it will control harmonics as well as power factor & its most economical solution.



Case study- One of our Pune base client have problem of pf not maintain & Harmonics issue. existing 1500 kva transformer & 600kvar Apfc panel. we have measured harmonics is 18% & pf without capacitor is 0.78. we have recommended hybrid filter to customer. after installation following is the result table.



Details	Without Hybrid filter			With Hybrid Filter		
	R	Y	B	R	Y	B
ITHD%	18	17.5	16	3.4	4	3.5
PF	0.78	0.8	0.79	0.995	0.996	0.995

Enquiry please contact below
M/S. Eclectic Energy Solutions. Pune.
Email ID-anand.temkar@eclecticenergy.in
Contact Details- Anand Temkar. Mob no-9527821373

Client list for Harmonics & PF Solution

- Classic Electrical-Hybrid Panel(500kvar+200KVAR SVG).
- Chromewell Engineering-(300kvar+200A Active filter.)
- Reliable Auto-500KVAR+200A Active filter.
- Yash Technology-200A Active filter.
- Suttati India Pvt Ltd-100 &200kvar SVG-2 nos
- Persistent Systems Ltd-300A Active Filter & many more...

Energy Storage Solutions

- We are deal in 12V Batteries Reputed Brand Like – Hoppecke, Quanta, Exide.
- We are Authorized business partner for Hoppecke Battery.
- Hoppecke battery have 5 years warranty, 8-9 years service life & 12 Years design life.
- Fire rated Battery With IMA certificate.

HOPPECKE VRLA – AGM Batteries equipped with ESS-Technology

- What does ESS-Technology mean?

ESS – Extended Stability Standard

- What were the planning targets of the ESS-Technology?
Keeping all benefits from the AGM design, while eliminating most of their lifetime shortening drawbacks.

- VRLA – AGM Batteries equipped with ESS-Technology
How Does work This?

Adjustments within the electrochemistry promotes the thermal and ionic conductivity between active mass and electrolyte with the consequence of optimized operating conditions during the entire lifetime of the battery.

Our Client List For Toshiba Mitsubishi UPS

- **Nitin Textile Group -120KVA -1 nos.**
- **Bosch Chasis Ltd. 600KVA 3Nos.**
- **Cummins India Ltd-500KVA 1No.**
- **Safe Pack Ltd-200KVA 3Nos.**
- **Leoni Cables Ltd-400KVA 3NOS.**
- **Craftsman India Pvt Ltd-400KVA-2NOS.**
- **Ultra Engineer Pvt Ltd-200KVA-7NOS.**
- **Ultra Power Ltd- 300KVA-3 NOS.**
- **Minda Rinder India Ltd-160KVA-2NOS.**
- **Samarth Enterprises-600KVA-1NO.**
- **Tata Communications -800KVA-10NO, 500KVA-12NO.**
- **Wellknown Polyster-500kva &400KVA 17NOS**
- **Sandvik Asia Pvt Ltd. 500KVA-2Nos.**
- **Macbrout GOA-250KVA-1NO, 300KVA-2NOS.**
- **Duraline GOA-250KVA-2NOS.**
- **Varroc India Pvt Ltd-160kva-Aurangabad.**

Team Details

- Our core team have 15 Years + work experience in Large UPS & Battery Industry.
- We have 3 Engineers & 2 Technicians in Pune for UPS services.
- We have 3 engineers in Mumbai Location & 2 Technicians for UPS & Battery Service.

Office & Plant Address

Eclectic Energy Solutions

Gat No-150/2, Pune Nashik Highway, chimbali Phata, Behind chimbali Patsanstha , Village-Kuruli,
Tal- Khed, Dist – Pune, Maharashtra-410501
website; www.eclecticenergy.in

Branch Office- Mumabi- 3/303, Yashokamal building, Maharana Pratap Road, Pardeshi Ali, old
Panvel, Navi Mumbai-410206. contact details- Mr. Gorkhnath sakte. Mob-8879192858

For Sales Enquiry contact

Mr. Anand Temkar.

Mob-9527821373

Email-anand.temkar@eclecticenergy.in

For Service & Operations contact

Mr. Mahesh Sutar.

Mob-7447444857

Email-mahesh.sutar@eclecticenergy.in