



We balance it for you!



FOR US AT MIRACLE
**THERE IS ALWAYS A WAY
TO DO IT BETTER...**
AND WE FIND IT.



Miracle Electronic Devices Pvt Ltd is a global leader in the arena of Electronics, Electro Mechanical, Energy and Magnetic components since the last 25 years.

In the last 25 years. Miracle has grown by leaps and bounds and serves Institutional. Government and Private Clients in over 22 countries across the globe with a well trained team of 265+ individuals through its offices located in three countries.

We are today, one of the market leaders in the segment we operate and have an unarguable commitment to quality and innovation. Today, we boast of one of Asia's most comprehensive standard ranges on Toroidal / laminated transformers, wire harness, box building, SMPS and power-supplies. The gamut spans small wound Toroidal / laminated transformers to large three-phase auto power transformers and energy saving transformers.

For more than two decade and half, our research, expertise and forethought have resulted in market - leading innovations that have shaped and defined the transformer industry. Our history of product excellence and committed customer service has assisted us in evolving into a global company serving businesses around the geography.



Miracle is recognised as an Indian Offset Partner (IOP) and MSME by the Ministry of Micro, Small and Medium Enterprise



Why Balanced Power Transformer?

The Balanced Power Transformer especially used for Audio and Studio equipment. It is also used in Balanced Studio Power Supply which converts conventional unbalanced single-phase mains to symmetrical balanced power.

Why do we need it?

All our local main power distribution is unbalanced, which is vulnerable to interface with audio lines. The interface cause is from light, motor and other reactive loads. All of these will feed spurious harmonics and out of phase components back into the mains. More the devices in the circuit, more of these reactive currents can go into earthing system. The resulting noise in your grounding system is a major contributor to a studios noise floor, the rough residual noise and hum will disturb and cannot be resolved by cable routing or by power conditioning. The Balance Studio Power Supply eliminates these reactive power components in exactly the same way as balanced audio circuits eliminate external noise. Miracle Balance Transformers are made with High efficient Toroidal Transformers which does not generate any noise & interference.

There is an audible improvement in frequency response and stereo imaging. Even digital transfers are cleaner by using these balanced transformers.



Advantages of Balanced Power Transformer

- Attenuated power line noise
- Earth loop elimination
- Reduction of radiated fields from power cords
- Reduced interference between equipments
- Elimination of reactive current in the earth wire
- Varnish Impregnated transformers to ensure incredibly quiet operation
- Case temperature at full constant load less than 35°C





Sequence Controller and Soft Starter

It can sequentially switch ON five audio amplifier or power supply. It also contains Switching ON Soft start facility.

Five outputs are available at back-panel.

There are also Five emergency outputs which bypass sequence control and soft start. Input can be connected to Industrial Input Socket. Input can be Single Phase or Three Phase. Output can be Single Phase or Two Phase.

Front panel has On/ Off Control switch, Push Button for initiating sequence and LED indicators.



Technical Specifications

Variant	MBT-500	MBT-1000	MBT-1500	MBT-2500
Total Power	500VA	1000VA	1500VA	2500VA
Input (V) 50/60Hz	415V (Ph-Ph)			
No. of O/P Channels	2			
Output (V)/Channel	230V each			
Load (Amax)/Channel	1.1A each	2.1A each	3.2A each	5A each
P.F.	1			
Basic Inbuilt Inrush Current Limiter	Yes			
IP	20			
Circuit Breaker	6A	6A	10A	16A
I/P Connection	NEUTRIK			
O/P Connection	NEUTRIK x 2	NEUTRIK x 2	NEUTRIK x 2	NEUTRIK x 2
Ta°C	25°C			
Enclosure	3U, Depth: 355mm			
Mounting	Desktop / 19" Rack			
Approx. Weight	16 kgs.	20 kgs.	24 kgs.	32 kgs.
Indicator (Front)	Dual Digital Volt / Amp / Power			
Indicator (Rear)	Two Lamp for O/P			
Default Colour	Textured Black			
Handling	Front Two Handels			

Miracle Electronic Devices Private Limited

Head Office and Export Unit: Peenya Factory

No. 48/1, Karihobanahalli Village,
Thigalarapalya Main Road, Peenya 2nd Stage,
Bangalore – 560 058, Karnataka, India
India: +(91)-(80)-28362750 / +(91)-(80)-28362751
Fax: +(91)-(80)-28362752

Production Unit: Kamakshipalya Factory

#65/2, 1st Floor, Kamakshipalya Industrial Estate,
Magadi Main Road,
Bangalore – 560 079, Karnataka, India
Telephone: +(91)-(80)-23485149 / 23489971
Fax: +(91)-(80)-23480882

USA Sales Office

Miracle Electronic Devices, Inc.
1190 Miraloma Way Suite P, Sunnyvale, CA-94085,
USA.
Phone: 408-484-6187
Toll Free Number: 844-716-2387
Fax: 408-957-9621

Germany Sales Office

Miracle Electronic Devices (P) Ltd.
Frankfurt, AOC, Regus, Hanauer Landstrasse 291 B,
Frankfurt,
Hessen, 60314, Germany
Tel : +49(0)69710475105, Extn: 5105

info@miracle.net.in
www@miracle.net.in

