



Engineer's Choice



**#1** Quality for your voltage solutions



# DIGITAL STABILIZER

## MDi series TDi series Mono Display

Single to Single-phase /  
Three to Three-phase voltage stabilizer



<https://hexta.co.id>



# MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer



## Why Yoritsu Stabilizer Is Always Engineers Choice ?

Berdiri sejak 1991. Setelah berhasil dengan Yoritsu Stabilizer Analog maka pada tahun 1997 Yoritsu mengembangkan Stabilizer Digital yaitu bekerja sama dengan SALICRU, SA. Spanyol, manufacturer Stabilizer Digital terbaik di dunia.

Hasil survey kami menunjukan keunggulan Yoritsu stabilizer yang menjadi pilihan engineers selama ini adalah sbb :

1. DC 24V servo motor Tzukasa, Japan - Strong torque, heavy duty, silent, dan long lasting.
2. Advance PCB – akurasi output voltage bisa adjustable sesuai keinginan 1%, 2%, 3% dan 4%.
3. Genset compatible - menstabilkan fluktuasi voltasi Genset dengan otomatis tanpa reset.
4. Special Feature Harmonic - Bisa mengatasi Harmonic distorsi pada tegangan sampai dengan 70%.
5. Quality Certification - ISO 9001 - 2015.

Note :

Selain 5 keunggulan yang tidak dimiliki oleh stabilizer merk lain, Yoritsu juga sangat memperhatikan Sumber Daya Manusia dan After Sales Service yang tercermin dibawah ini :

6. Certified Technician - teknisi melalui training ketat yaitu perakitan, latihan pemasangan, classroom lecture, case study dan written test.
7. Spare Parts - 100% ready stock.
8. Service – 1 x 24 jam untuk jabotabek, 2 x 24 jam untuk luar kota.
9. Customer Satisfaction - 90 Days Money Back Guarantee.
10. Quality Assurance - Full Guarantee spare parts selama 5 tahun.





## Yoritsu Building Characteristic

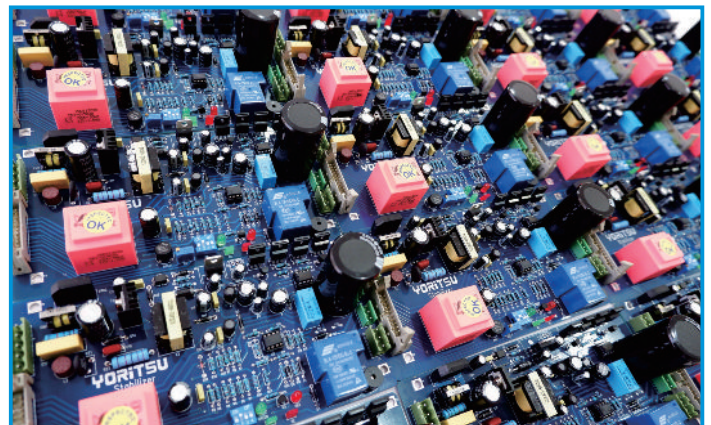
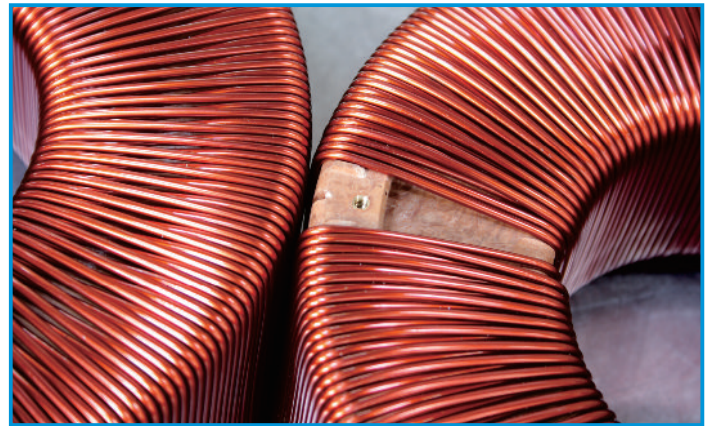
- Insulasi Class E untuk temperature max 75°C dengan ambient temperatur max 40°C.
- Core terbuat dari kern (Grain Oriented Silicon Steel) dengan rugi besi yang rendah. Type M4 (JAPAN). Ketebalan 0,27mm.
- Kern dianelling pada 750° - 800°C dalam 12 jam.
- AC / DC Servo Motor (Ex Japan) dengan kecepatan tinggi dan tidak berisik.
- Gulungan terbuat dari tembaga dengan jaminan bahwa tembaga tersebut berkualitas tinggi. Thermal standard 180°C.
- Cetakan piringan bakelite yang terdiri dari slot-slot membantu mesin gulung CNC mencapai presisi yang sangat sempurna.

## Yoritsu Key Features

1. Digital visualization of the output voltage.
2. CNC winding machines to ensure consistency in precision and tension strength.
3. Adjustable PCB electronic output with accuracy 1%, 2%, 3%, 4%.
4. High reliability / MTTR.
5. A heavy duty high speed low noise AC-DC servo motor.
6. Robust contructions, admitting over-loads up to 1000% the nominal.
7. Stable & accurate output voltage.
8. High efficiency > 98%, which means less maintenance cost.

## Optional Protection

- |                                                     |                                  |
|-----------------------------------------------------|----------------------------------|
| ■ Under / Over Voltage :<br>Alarm/automatic Cut-off | ■ Booster Temperature<br>Control |
| ■ Over Current Protection                           | ■ Ambient Temperature<br>Control |
| ■ Short Circuit Protection                          | ■ Surge Protection               |
| ■ Local/remote Monitoring<br>System                 | ■ Phase Failure Protection       |
| ■ Local/remote Alarm<br>Indication                  | ■ Unbalance Load<br>Protection   |





# MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer



## Stabilizer Yoritsu Mono Display series available from 15 KVA upto 3000 KVA

- Single phase
- Three phase
- Three phase with independent phase regulation
- Line conditioner Single Phase with isolation transformer
- Line conditioner Three Phase with isolation transformer & independent phase regulation

## Technical Specification

| PHASE               | SINGLE PHASE                                                                  | THREE PHASE                  |
|---------------------|-------------------------------------------------------------------------------|------------------------------|
| Input Voltage       | 160V – 240V                                                                   | 278V – 415V or 310V – 415V * |
| Output Voltage      | 220V $\pm$ 1%                                                                 | 380V or 400V $\pm$ 1%        |
| Frequency           | 45 Hz – 60 Hz                                                                 |                              |
| Response time       | Within 1 second against 10% input voltage deviation                           |                              |
| Efficiency          | Better 98% (input voltage 180 V) output voltage 220V and at rated load.       |                              |
| Ambient Temperature | -5°C ~ +40°C                                                                  |                              |
| Ambient Humidity    | Less than 90% (relative humidity)                                             |                              |
| Temperature Rise    | Less than 75° C (input voltage 180V, output voltage 220 V and at rated load). |                              |
| Cooling System      | Convention-cooled                                                             |                              |
| Control System      | DC / AC Servo motor                                                           |                              |
| Dielectric Strength | 3000 V for 1min                                                               |                              |

\* Above 100 KVA.

**Note: Higher kVA and alternative voltage options available to order / individual request.**

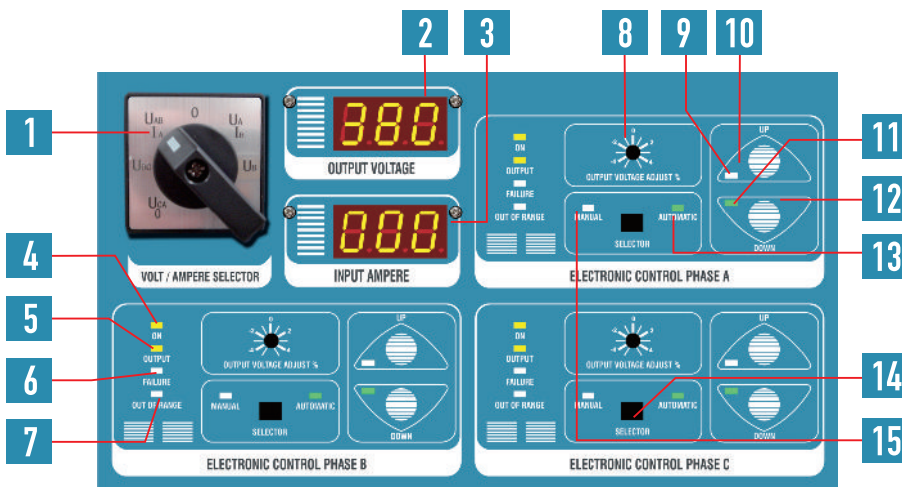


# MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer

## Yoritsu Digital Mono Display

Stabilizer Yoritsu seri **MDi & TDi Mono Display** mempunyai tampilan digital pada panel depan yang sangat terpadu dan fokus, menunjukkan tegangan output dan alarm (tegangan output min / max dan tegangan listrik yang berlebihan). Angka pada nilai digital LED memberikan tampilan yang besar dan jelas sehingga memudahkan Teknisi dalam memantau kinerja stabilizer listrik Yoritsu.



## Features Yoritsu Digital Mono Display

Selector Switch [1] dipakai untuk memilih monitoring voltage output setiap phasa (UVW) dan amperage dari input (RST). Nilainya tercatat pada LED digital voltmeter [2] dan amperemeter [3]. Selain itu, setiap voltage output bisa di adjust lebih halus menggunakan Rotary Slider [8] sehingga voltage output yang diharapkan tercapai. Hadirnya Slider Switch [14], mengatur stabilizer secara manual atau automatic dengan pushbutton UP [10] atau DOWN [12], sehingga output voltage bisa di atur sedemikian rupa untuk analisa pengujian.

## Digital Display Information

- |                           |                                 |
|---------------------------|---------------------------------|
| 1. V/A Selector Switch    | 9. Up LED                       |
| 2. Output Volt Meter      | 10. Up Push Button              |
| 3. Input Ampere Meter     | 11. Down LED                    |
| 4. Input LED              | 12. Down Push Button            |
| 5. Output LED             | 13. Automatic LED               |
| 6. Failure LED            | 14. Auto-manual Selector Switch |
| 7. Out Of Range LED       | 15. Manual LED                  |
| 8. Adjustable Output Volt |                                 |

## Applications Of Yoritsu Stabilizer

### Factory & Laboratorium

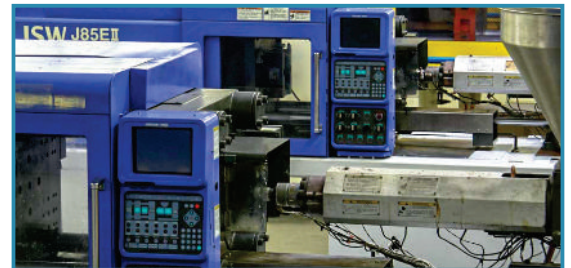
- Transmission & Telecommunication
- Radar System in naval or air navigation
- Process control & EDP equipments
- CNC Machine
- Welding equipments
- Industrial machine/tools
- Laboratory equipments

### Home & Office

- Lighting equipment
- Air conditioning system
- Computer
- TV & Audio System
- House holds appliance
- Photographs Processing Equipment

### Hospital

- M R I
- C T Scan
- Radiology





# MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer

## Voltage Choices Available



Model MDi-15, MDi-20



Model MDi-25, MDi-30

### SINGLE PHASE

WITH NEUTRAL (+ GROUND)

#### MDi SERIES

15 upto 30 kVA

Input : 160 - 240 V

Output : 220 V

### THREE PHASE

WITH NEUTRAL (+ GROUND)

#### TDi SERIES

6 upto 100 kVA

Input : 278 - 415 V

Output : 380 or 400 V



Model TDi-6, TDi-9,  
TDi-12, TDi-15,  
TDi-20, TDi-25, TDi-30



Model TDi-45, TDi-50, TDi-60



Model TDi-70, TDi-90  
TDi-100



# MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer

## Product Selection Table

Yoritsu Voltage Stabilizer, Single Phase  
Input 160 - 240V 50Hz / Output 220V 50Hz

| Type   | Power (KVA) | Enclosure Model | Dimension (mm) |     |      | Weight (kg) |
|--------|-------------|-----------------|----------------|-----|------|-------------|
|        |             |                 | D              | W   | H    |             |
| MDi-15 | 15          | N° 1            | 500            | 450 | 750  | 78          |
| MDi-20 | 20          | N° 1            | 500            | 450 | 750  | 79          |
| MDi-25 | 25          | N° 2            | 500            | 450 | 1050 | 130         |
| MDi-30 | 30          | N° 2            | 500            | 450 | 1050 | 133         |

Yoritsu Voltage Stabilizer, Three Phase  
Input 278 - 415V 50Hz / Output 380/400V 50Hz

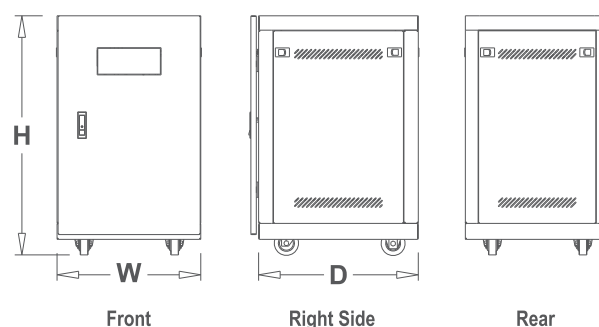
| Type    | Power (KVA) | Enclosure Model | Dimension (mm) |     |      | Weight (kg) |
|---------|-------------|-----------------|----------------|-----|------|-------------|
|         |             |                 | D              | W   | H    |             |
| TDi-6   | 6           | N° 2            | 500            | 450 | 1050 | 70          |
| TDi-9   | 9           | N° 2            | 500            | 450 | 1050 | 76          |
| TDi-12  | 12          | N° 2            | 500            | 450 | 1050 | 90          |
| TDi-15  | 15          | N° 2            | 500            | 450 | 1050 | 97          |
| TDi-20  | 20          | N° 2            | 500            | 450 | 1050 | 125         |
| TDi-25  | 25          | N° 2            | 500            | 450 | 1050 | 132         |
| TDi-30  | 30          | N° 2            | 500            | 450 | 1050 | 135         |
| TDi-45  | 45          | N° 2            | 550            | 650 | 1280 | 208         |
| TDi-50  | 50          | N° 2            | 550            | 650 | 1280 | 217         |
| TDi-60  | 60          | N° 2            | 550            | 650 | 1280 | 268         |
| TDi-70  | 70          | N° 3            | 800            | 650 | 1050 | 302         |
| TDi-90  | 90          | N° 3            | 800            | 650 | 1050 | 325         |
| TDi-100 | 100         | N° 3            | 800            | 650 | 1200 | 365         |
| TDi-200 | 200         | N° 4            | 750            | 950 | 1900 | 638         |
| TDi-250 | 250         | N° 4            | 750            | 950 | 1900 | 677         |

## Standard Enclosure Size

\* Drawing not in scale

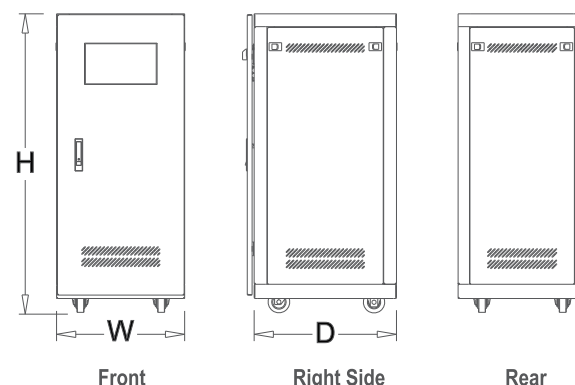
### Enclosure Model : N°1

Bottom Cable Entry, base on Roller



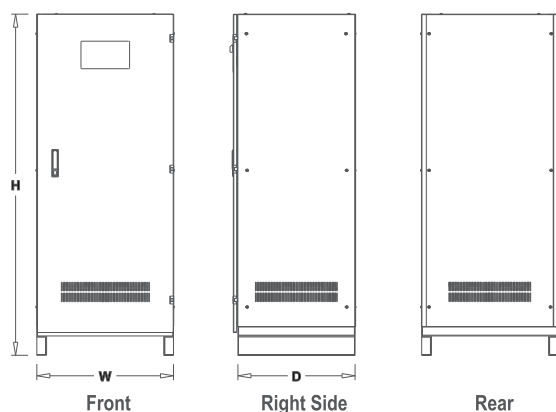
### Enclosure Model : N°2

Bottom Cable Entry, base on wheel.



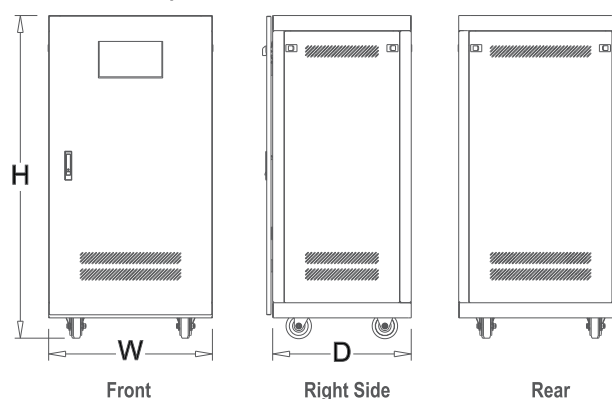
### Enclosure Model : N°4

Bottom Cable Entry, base on skid



### Enclosure Model : N°3

Bottom Cable Entry, base on Roller



\* Yoritsu Stabilizer reserve the right to change any or all the specifications indicated or implied without prior notice.



**Engineer's Choice**

## Availability

We offer the best availability on AC Voltage Stabiliser & Power Conditioning solutions. Many of our most popular ratings are readily available from stock at the factory or from one of our strategically located Service and Distribution Hubs.

Where a solution is not readily available, due to our considerable investment in component inventory and fine-tuned accredited build processes, we are able to ensure very short lead times on deliveries – even for the largest of models!

## Custom Built Solutions

Yoritsu Stabilizer, with a strong and wide manufacturing base, is able to meet the requirements of customers from our own in-house professional resources.

Where bespoke / custom built solutions are required we are able to call upon our extensive portfolio of proven standard designs and tailor offerings to accommodate, most individual specific requirements.

# DIGITAL STABILIZER

## MDi series TDi series Mono Display

Single to Single-phase  
Three to Three-phase voltage stabilizer

Yoritsu Stabilizer reserve the right to change any or all the specifications indicated or implied without prior notice.

© 2025 Yoritsu Stabilizer. All rights reserved.