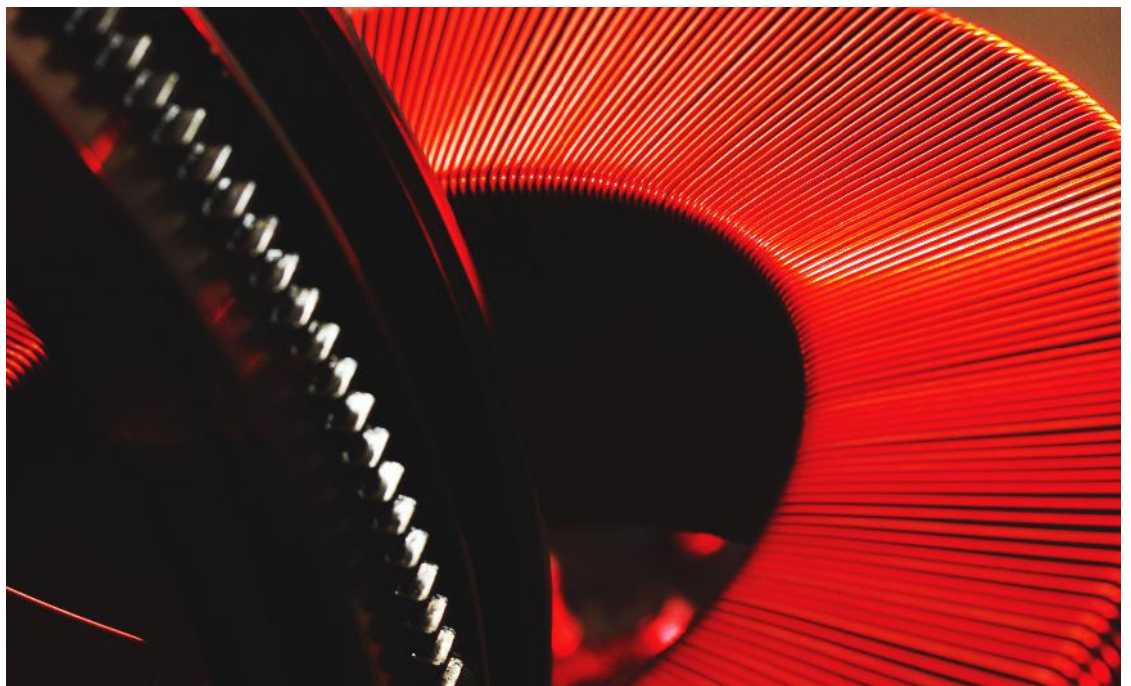




Engineer's Choice



#1 *Quality for your
voltage solutions*





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 didunia.

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 :

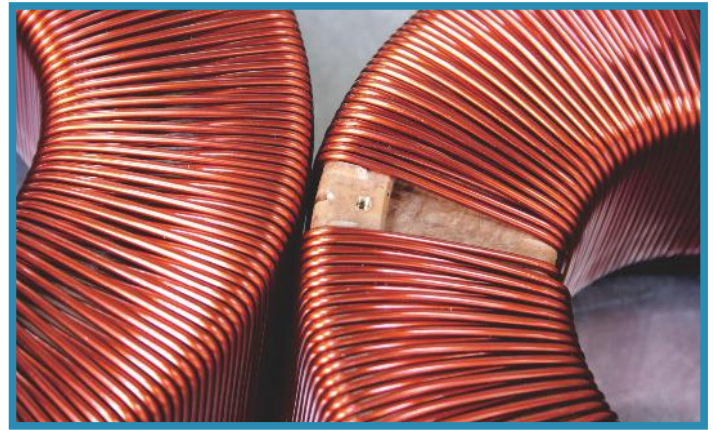
Selain 5 keunggulan yang tidak dimiliki oleh stabilizer merk lain, Yoritsu juga sangat memperhatikan Sumber Daya Manusia dan After Sales Service yang tercermin dibawah ini :

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.



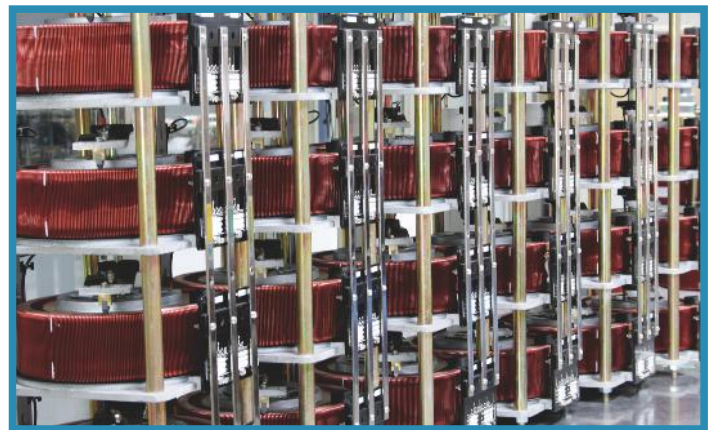
Yoritsu Key Features

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 constructions, admitting over-loads up to 1000% the nominal.
7. Stable & accurate output voltage.
8. High efficiency > 98%, which means less maintenance cost.



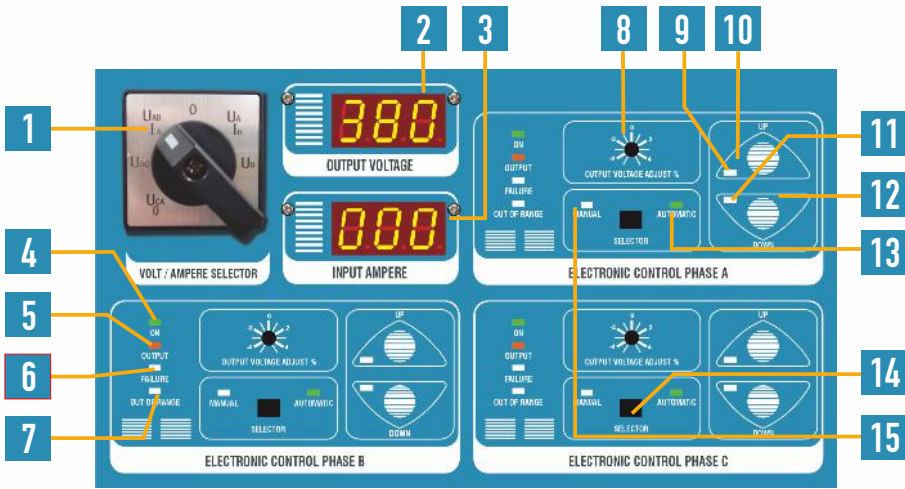
Optional Protection

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



Yoritsu Digital Display MDi & TDi Series

Stabilizer Yoritsu seri MDi & TDi 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.



Digital Display Information

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

Features Yoritsu Digital 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.

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





Stabilizer Yoritsu MDI & TDI series available from 2 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



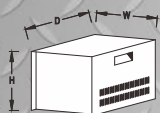
Technical Specification

PHASE	SINGLE PHASE	THREE PHASE
Input Voltage	160 V – 240 V	310 V – 415 V *
Output Voltage	220 V ± 1%	380 V ± 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	

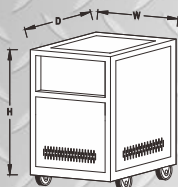
* Above 100 KVA.

● Custom designed is welcome

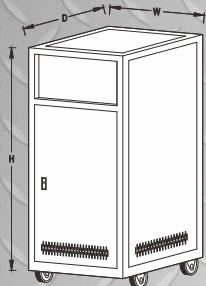
Cabinets



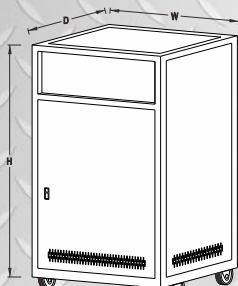
Cabinet 1



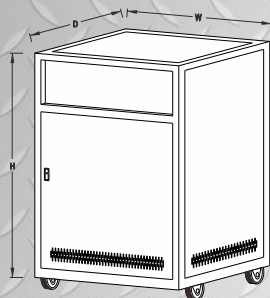
Cabinet 2



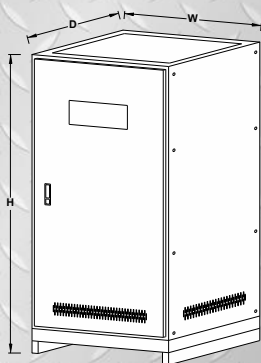
Cabinet 3



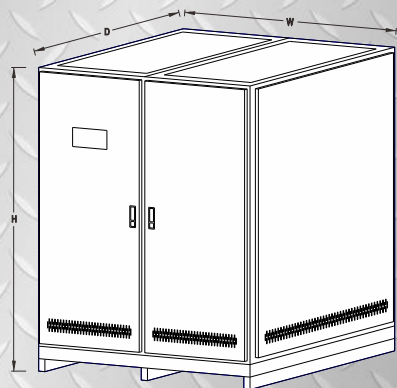
Cabinet 4



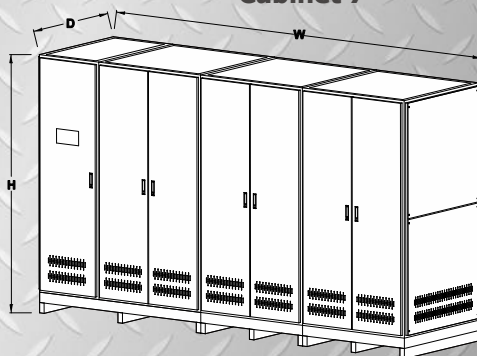
Cabinet 5



Cabinet 6



Cabinet 7



Cabinet 8

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

Type	Power	Cabinet Model	Dimension (mm)			Weight (kg)
			D	W	H	
MDi-2	2	1	310	240	250	18
MDi-3	3	1	310	240	250	19
MDi-5	5	1	360	300	300	25
MDi-7.5	7.5	1	410	340	330	29
MDi-10	10	1	410	340	330	32
MDi-15	15	2	500	450	700	78
MDi-20	20	2	500	450	700	79
MDi-25	25	3	500	450	1100	130
MDi-30	30	3	500	450	1100	133

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

Type	Power	Cabinet Model	Dimension (mm)			Weight (kg)
			D	W	H	
TDi-6	6	2	500	450	700	70
TDi-9	9	2	500	450	700	76
TDi-12	12	2	650	450	700	90
TDi-15	15	2	650	450	700	97
TDi-20	20	3	500	450	1100	125
TDi-25	25	3	500	450	1100	132
TDi-30	30	3	500	450	1100	135
TDi-45	45	4	550	650	1200	208
TDi-50	50	4	550	650	1200	217
TDi-60	60	4	550	650	1200	268
TDi-70	70	5	650	950	1270	302
TDi-90	90	5	650	950	1270	325
TDi-100	100	5	650	950	1270	365

Yoritsu Voltage Stabilizer, Three Phase
Input 310 - 415V 50Hz / Output 380/400V 50Hz

Type	Power	Cabinet Model	Dimension (mm)			Weight (kg)
			D	W	H	
TDi-120	120	5	650	950	1270	408
TDi-130	130	5	650	950	1270	458
TDi-150	150	5	650	950	1270	538
TDi-200	200	6	750	950	1900	638
TDi-250	250	6	750	950	1900	677
TDi-300	300	6	1100	1300	1700	837
TDi-350	350	6	1100	1300	1700	943
TDi-400	400	6	1100	1300	1800	1149
TDi-500	500	7	1200	1500	2200	1391
TDi-630	630	7	1200	1900	2200	1696
TDi-800	800	7	1200	1900	2200	2048
TDi-1000	1000	7	1500	1900	2200	2332
TDi-1250	1250	8	1200	4300	2200	2500
TDi-1600	1600	8	1200	4300	2200	2800
TDi-2000	2000	8	1200	5800	2200	3200
TDi-2500	2500	8	1200	5800	2200	3700
TDi-3000	3000	8	1200	5800	2200	4200