

NEPTUNE MT Extreme

Automatic Voltage Stabilizer & Energy Saving
 Microprocessor with Servo motor control



Automatic Voltage Stabilizer Features

- Extremely wide voltage regulation range
- Maintenance free roller type carbon brush
- Individual regulation with unique small dimension
- Maximum capacity up to 5000KVA
- High Mean time Between Failure(MTBF)
- Reliable and quiet servo motors
- Wheels mounted for easy installation
- Start up delay to prevent over current inrush
- Isolation transformer on request
- Indoor or outdoor version on request

Saving Energy Features

- Energy saving of up to 25%
- Fast return of investment(ROI) time
- Prolonged equipment life span
- High operational efficiency
- Adjustable configurations based on site requirements
- GPRS and Wireless Energy Monitors for real-time energy monitoring
- Protects equipment against failures due to over or under voltage
- Internal no-break bypass allowing no power interruption during maintenance
- Single and three phase up to 5000KVA

Neptune MT Extreme are large power voltage stabilizer is an energy saving new product developed by CHUPHOTIC absorbing the advance technology of international product, with the function of over/under voltage protection, delay and error protection, It has advantages of small volume, light weight, large capacity, high efficiency, wide range, high precision, strong protection, without waveform distortion, reliable operation and easy installation, etc.

Application



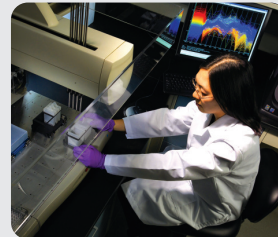
• Industrial & Manufacturer



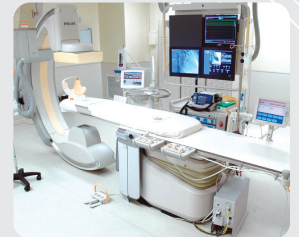
• Auto-mobile Industrial



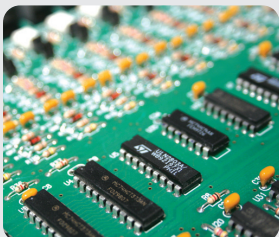
• Hotel & Resort



• Chemical Industrial



• Medical Equipment



• Electronic Industrial



• Auto Machine



• Office Building



• Food Industrial



• Logistic & Transportation



NEPTUNE MT Extreme

Automatic Voltage Stabilizer & Energy Saving

SPECIFICATIONS

TECHNOLOGY	System	Microprocessor servo motor control
	Transformer	Auto transformer and buck/boost transformer
INPUT	Input voltage	L-L : 380/400/415V +/- 20%, L-N : 220/230/240V (Option 200/220V)
	Frequency	50/60Hz(47-53Hz)
	Phase wire	3Phase 4wire+PE
OUTPUT	Output voltage (AVR)	L-L : 380/400/415V, L-N : 220/230/240V +/-1%(Option 200/220V)
	Output (Energy Saving)	L-L : 380/400/415V, L-N : 220/230/240V +/-5%(Option 200/220V)
	Output waveform	Sine wave(Synchronize with input wave form)
	Overload capability	1000% for 2 sec., 300% for 1min
	Total harmonic distortion	Less than <0.5%
	Response time	0.1-1second
	Efficiency	More than>98%
PROTECTION	Output power factor	0.9-1 leading to lagging
	Over/under voltage	Output more than +/-10% automatic shutdown
	Overload protection	Circuit breaker
	Surge protection	Automatic shutdown
	Lightning protection	Lightning arrester
	System protection	Power failure , Power interruption, AC flicker, Phase fault, Safe start, Output short circuit, Over temperature, Power semiconductor failure
NOISE ATTENUATION SYSTEM	Spike transient	MOV,(Metal oxide varistor)
	RFI protection	Toroidal coil and HF filter device
	Trans. Mode noise	More than >60dB
	Com. Mode noise	More than >60dB for line conditioner
FEATURE	Manual bypass	Breaker manual bypass
	Manual reset	Reset switch
INDICATOR	LED Display	Input Voltage , Output Voltage , Load and working status
	LCD Display	Input/Output Voltage/Frequency/Current, Load, AC meter and working status
COMMUNICATION	Interface	RS232 Port, RS485, Modbus/Remote control and monitoring the VO unit parameters (option)
ENVIRONMENT	Temperature	0 - 45 °C
	Humidity	0-90%(Non condensing)
STANDARD	Design Regulation	ISO9001 : 2015, ISO14001 : 2015, CE

PHYSICAL

MODEL	Power (kVA)	Output current (A)	Dimension (mm)	Weight (Kg)
MTE20K	20kVA	30	300x700x1020	200
MTE30K	30kVA	45	300x700x1020	200
MTE50K	50kVA	76	380x750x1120	220
MTE60K	60kVA	91	380x750x1120	245
MTE75K	75kVA	113	400x780x1220	335
MTE100K	100kVA	152	400x780x1220	390
MTE120K	120kVA	182	450x930x1420	425
MTE150K	150kVA	227	450x930x1420	455
MTE200K	200kVA	303	520x980x1520	495
MTE250K	250kVA	379	520x980x1520	600
MTE300K	300kVA	455	600x1380x1720	750
MTE350K	350kVA	531	600x1380x1720	800
MTE400K	400kVA	607	600x1380x1720	895
MTE500K	500kVA	759	720x1580x1860	1080
MTE600K	600kVA	911	720x1580x1860	1160
MTE750K	750kVA	1139	900x1080x1860(2 cabinet)	1585
MTE800K	800kVA	1215	900x1080x1860(2 cabinet)	1700
MTE1000K	1000kVA	1519	900x1080x1860(2 cabinet)	1900
MTE1500K	1500kVA	2279	900x1080x1860(3 cabinet)	2200
MTE2000K	2000kVA	3038	900x1080x1860(3 cabinet)	2500

* All specifications subject to change notice.

Chuphotic.BRO-03.Stabilizer Extreme Rev1.00/2019

บริษัท ชูฟอทิก จำกัด

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