



## POWER EXPERT SINCE 1983

- Digital Static Voltage Stabilizer
- Digital Servo Voltage Stabilizer
- LV and MV Transformer
- Frequency Converter Power Supply
- On-line UPS
- Voltage Regulator



**GRIDSTONE**  
ELECTRIC



## COMPANY INTRODUCTION

Founded in 1983, GridStone Electric is a leading manufacturer of automatic voltage stabilizer and transformer. The products currently include digital static voltage stabilizer, digital servo voltage stabilizer, power factor correction units, oil immersed voltage regulator, UPS . LV and MV transformers and reactors. Thanks to over 30 years in the business and on going technical research, GridStone have become a competitive high-tech company, and meet the requirements of a constantly growing number of customers through design, production and service.

Besides standard production, GridStone is flexible and strong at custom design and production according to the customers' specification. Expert training and technical support are available to serve the customers quickly and professionally.

GridStone factories are ISO9001 and ISO14001 certified.

## OUR HISTORY

**1983**

GridStone factory for automatic voltage stabilizer was started, and the first servo voltage stabilizer in China was successfully produced.

**1985**

Gridstone factory for transformer was started

**1998**

New office and factory of voltage stabilizer were started in Shanghai, China.

**2010**

The first frequency and voltage regulator with IGBT is released.

**2009**

New types digital voltage stabilizers were released. These new products are more fast, more reliable and more intelligent.

**2008**

Brand name "Shanghai Voltage Regulator" was started in China.

**2002**

The first static voltage stabilizer was released, and massive production started at end of the year.

**2014**

New factory for transformer was started.

**2016**

GridStone brand name is started to be used for all voltage stabilizers and transformers to sold abroad.

# Digital Servo Voltage Stabilizer -- OptiV Plus



## Product Features

- Variable transformer with columnar design
- Digital control system. Intelligent sensing and protection.
- Efficiency upto 99%
- Independent or Dependent Three Phase Regulation subject to the order
- Rich protection functions
- Manual bypass
- EMI/RFI filter ( optional )
- Surge protection ( optional )
- Remote control with 485 ( Optional )

## Product Specification

**Input Voltage:** Single phase (OVP1) : 220V or 230V or 240V ; Three phase (OVP3): 380V or 400V or 415V  
**Voltage tolerance:** -20% to +20% (regular. Can be made to -45%, +45%)  
**Frequency:** 50HZ /60HZ  
**Output Voltage:** Single phase (OVP1) : 220V or 230V or 240V ; Three phase (OVP3): 380V or 400V or 415V  
**Output tolerance:** +/-2% typical ( +/-1% optional )  
**Frequency:** 50HZ or 60HZ  
**Over load capability:** 300% 1sec, 120% to 200% 20sec, 100% to 120% 15min,  
**Response time:** <0.1s  
**Correction time:** <1s  
**Efficiency:** >97% typical ( below 250kVA ) ; >98% typical (above 250kVA)  
**Cooling:** Nature air convection for models below 150kVA; Air forces fan for 150kVA and above.  
**Protection:** Under/Over voltage, over load, over current, short circuit, manual bypass, surge arrester (optional), voltage stabilization before power output;  
**Display:** Input voltage each phase, Output voltage each phase, Current each phase, Alarm of protection.  
**Operating temperature:** -15 to 40 °C  
**Humidity:** 90%

Model	Rated Capacity (KVA)	Rated Current (A)	Dimensions (cm) W x D x H	Weight (kg)
OVP3-15	15	23	75×55×125	210
OVP3-20	20	31		210
OVP3-30	30	46		220
OVP3-50	50	76		250
OVP3-80	80	121	85×60×150	340
OVP3-100	100	152		360
OVP3-120	120	182		370
OVP3-150	150	228		500
OVP3-180	180	273	95×70×170	520
OVP3-200	200	300		540
OVP3-225	225	342		560
OVP3-250	250	380		580
OVP3-320	320	486	120×85×215	880
OVP3-400	400	608		1100
OVP3-500	500	760		1350
OVP3-600	600	912		1760
OVP3-800	800	1216	240×85×215x2	2200
OVP3-1000	1000	1520		2700
OVP3-1200	1200	1824		3000
OVP3-1400	1400	2127		3400
OVP3-1600	1600	2431	120×85×215x4	4000
OVP3-2000	2000	3038	120×85×215x4	5200
OVP3-2500	2500	3800	120×90×220x4	6280
OVP3-3000	3000	4560	120×90×220x6	7500
OVP1-10	10	45	55×60×115	150
OVP1-20	20	90		175
OVP1-30	30	136		220
OVP1-50	50	227		290
OVP1-80	80	363	71×92×162	370
OVP1-100	100	455		430

## Other products



Frequency Converter Power Supply



Isolation Transformer



Oil Immersed Voltage Regulator



On-line UPS

Note: the weight and dimensions may be changed subject to the order.

# Digital Static Voltage Stabilizer ----OptiV MAX



## Product Features

- Silent design without moving brushes or rollers, High reliability and low maintenance
- Digital control, fast response
- Rich protection functions. .
- Efficiency upto 99%
- Independent or dependent phase voltage regulation. Changeable through LCD touchscreen display on site.
- Automatic bypass. Manual bypass (Optional)
- Remote monitoring by RS485 or RS232 or CAN (Optional)

## Product Specification

Normal Input Voltage: OVM1 Single phase: 220V or 230V or 240V, OVM3 Three phase: 380V or 400V or 415V  
 Input Voltage variation: -20% to +20% (regular. Can be made to -45%, +45%)  
 Frequency: 50 or 60HZ

Normal Output Voltage: OVM1 Single phase: 220V or 230V or 240V, OVM3 Three phase: 380V or 400V or 415V  
 Output voltage tolerance: +/-2% typical (upto +/-1%)

Response time: <10ms

Correction speed: 7ms/v

Over load capability: 300% 1sec, 200% 2sec, 160% 1min,

Efficiency: >97% (typical; model below 50kVA) ; >99% (typical; model above 50kVA)

Protection: voltage stabilization before power output; Under/Over voltage, over load, over current, short circuit, phase loss, auto-bypass, manual bypass (optional), surge arrester (optional), EMI filter (optional), Phase loss (optional)

Cooling: Nature air convection for models below 250kVA; Air forces fan for 250kVA and above.

Operating temperature: -10 to 40 °C

Humidity: 90%

Model	Rated Capacity (KVA)	Rated Current (A)	Dimensions (cm) W x D x H	Weight (kg)
OVM3-10	10	15	35×60×78	54
OVM3-20	20	30	(With wheels)	82
OVM3-30	30	46		112
OVM3-50	50	76	39×65×90(with wheels)	150
OVM3-80	80	121	46×65×120	220
OVM3-100	100	152	46×70×120	240
OVM3-120	120	182		264
OVM3-150	150	228		350
OVM3-180	180	273	76×66×160	387
OVM3-200	200	300		410
OVM3-225	225	342		425
OVM3-250	250	380		615
OVM3-320	320	486	110×80×200	700
OVM3-400	400	608		760
OVM3-500	500	760		1010
OVM3-600	600	912		1145
OVM3-800	800	1216	180×100×220	1700
OVM3-1000	1000	1520		2000
OVM3-1200	1200	1824	240×100×210	2350
OVM3-1400	1400	2127	240×100×220	
OVM3-1600	1600	2431		2700
OVM1-3	3	13.5	22×50×37	20
OVM1-5	5	22.5		25
OVM1-10	10	45	22×50×37	31
OVM1-10	10	45	28×60×43	38
OVM1-15	15	68		45
OVM1-20	20	91	35×60×64	59
OVM1-30	30	137	(with wheels)	81
OVM1-50	50	228		

• Note: the weight and dimensions may be changed subject to the order.

[www.gridstone.cn](http://www.gridstone.cn)

## GridStone Electric Co.Ltd.

Address: ZhongShan Industry Park, 58 WenXiang East Road, Shanghai, China

Email: morningsolar@icloud.com ; jamesmeng@gridstone.cn

Tel: +86 185 0170 0304, +86 21 6410 8585



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