

PSP.SM

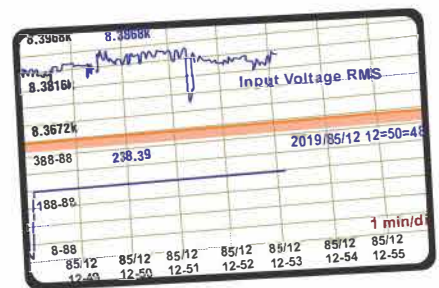
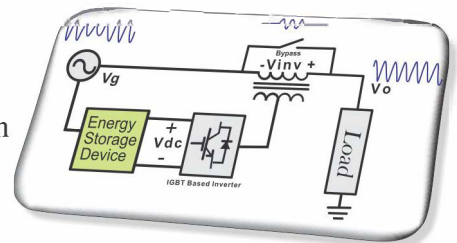
IGBT Based Stabilizers

Single and Three Phase Output
230V, 1-300 kVA



Features and Benefits

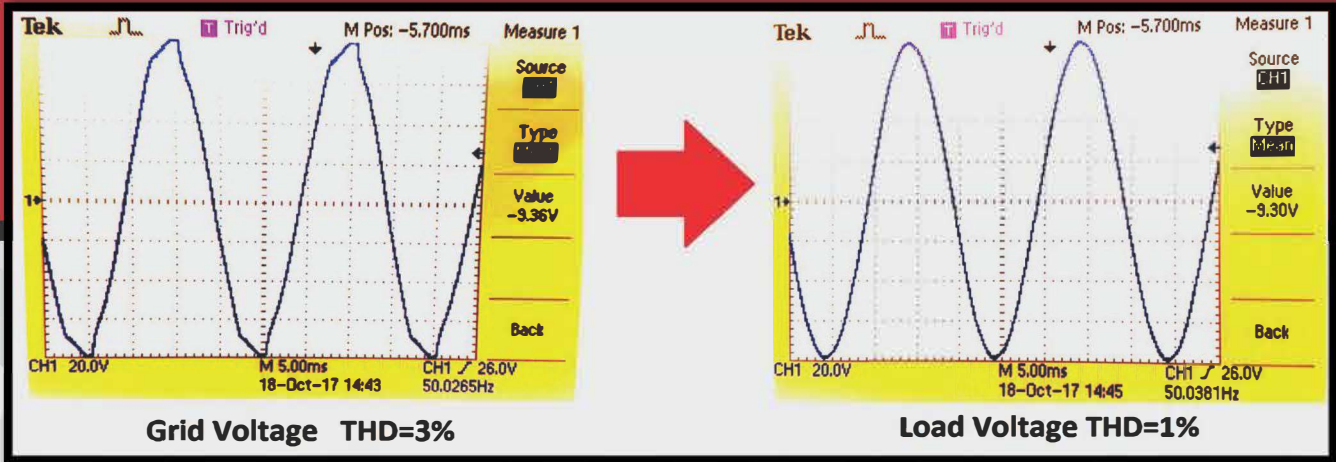
- ✓ IGBT, PWM controlled for high efficiency and low output THD
- ✓ Lower size and weight in comparison with traditional transformer based stabilizers.
- ✓ High personalization grade with new mimic display for signals, alarms, meters
- ✓ New generation of AC/AC Dynamic Voltage Restorer (DVR) with active filter features
- ✓ Improving the harmonic distortion of main in load side
- ✓ Fast transient response to main voltage fluctuations
- ✓ Output voltage regulation lower than 0.5% with very high resolution
- ✓ Automatic bypass capability under unit failure
- ✓ Lower maintenance service in comparison with traditional designs
- ✓ Higher mean time between failures
- ✓ Custom design for high power applications up to 300kVA



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Input AC Voltage	170--255 V
Output Voltage	230 V \pm 1 %
Recovery time	< 5ms
Frequency	50/60 Hz (selectable)
Crest Factor	Max 3
Total Harmonic Distortion-THD	<1% linear load; <5% non-linear load
Overload capability	125% for 10 min; 150% for 1 min; 200% for 100 ms
Efficiency	Up to 99%
Cooling	Forced ventilation
Altitude	<2000 m (derating according to EN 62040)
Audible noise at 1 meter (dBA)	<55 – 70 dB(A) - depending on rating
Operating temperature	-10 °C ÷ +40 °C
Storage temperature	-20 °C ÷ +70 °C

INDICATORS & ALARMS	<p>Graphical LCD 128x64 or 7"/10" touchable LCD</p> <table border="1"> <thead> <tr> <th></th> <th>R</th> <th>S</th> <th>T</th> </tr> </thead> <tbody> <tr> <td>Vin</td> <td>238</td> <td>239</td> <td>240</td> </tr> <tr> <td>Vout</td> <td>230</td> <td>230</td> <td>230</td> </tr> <tr> <td>Iout</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>Sout</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Fre.</td> <td colspan="3">50.1</td> </tr> </tbody> </table> <p>AVR Off Menu 75KVA AVR</p>		R	S	T	Vin	238	239	240	Vout	230	230	230	Iout	0	0	0	Sout	0.0	0.0	0.0	Fre.	50.1		
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Fre.	50.1																								
AVR FAIL																									
Grid Voltage AC LOW/HIGH																									
Over Temperature																									
Over LOAD/SHORT CIRCUIT																									

<p>AVR On Menu</p>

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