

# kVA<sup>r</sup>

## SOLUTIONS

POWER FACTOR CORRECTION SPECIALISTS

### 150kVA<sup>r</sup> SVG

Static Var Generator

- ✓ Harmonic Mitigation up to the 13th harmonic.
- ✓ Fast, balanced, and accurate power factor correction
- ✓ Compact & modern design. 810H x 500W x 200D
- ✓ Contributes to power efficiencies & cost savings.
- ✓ Power Factor Correction of leading and lagging power to 0.99



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Item	Name	SVG Size				
	Size/Capacity	10/ 20/ 30kVAr	50kVAr	75kVAr	100kVAr	150kVAr
	Module Size (mm) Rack Mounted	460W x 483D x86H	540W x 545D x190H	540W x 545D x 190H	540W x 551D x 219H	540W x 595D x 219H
	Module Size Wall Mounted (mm) (add 300mm for cable cover)	424W x 88D x 541H	504W x 191D x 584H	504W x 191D x 584H	504W x 220D x 608H	504W x 221D x 651H
<b>Specification</b>	Net Weight (400V)	14 kgs	21 kgs	36 kgs	41kgs	44kgs
	Cooling Air Flow (400V) for Heat Dissipation	4x80CFM	4x120CFM	4x120CFM	4x190CFM	4x190CFM
	Working Voltage	<b>220V/380V/480V/690V ( ± 20% )</b>				
	Power Grid Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)				
	Wiring Structure	3P3W/ 3P4W				
<b>Function</b>	Harmonic Filtering	<b>2nd ~ 13th</b>				
	Reactive Power Compensation	Adjustable from -1 to +1				
	Unbalance Correction	100% imbalance correction				
	Alarm indication	Indication LEDs on front of unit, or external alarm contacts via HMI interface				
	Protection Function	Over-voltage, under-voltage, over heat, over current, short-circuit, inverter bridge inverse protection, over-compensation protection etc., more than 20 kinds protection				
<b>Technical Parameter</b>	Current Transformer	50/5 ~ 6000/5				
	Harmonic Filter Rate	≥ 97%				
	Filter Performance	THDi<5%				
	Noise Level	<60dB (standard type) / No noise (Fanless type)				
	Response Time	50us				
	Full Response Time	<10ms				
	IGBT Switching Frequency	20kHz				
	Topology Design	3 level topology				
	Parallel Quantities	Unlimited. But need an External HMI for more than one unit				
<b>Communication &amp; Monitoring Capability</b>	Communication Port	RS485 Communication & MODBUS				
	Communication Protocol	Modbus Protocol / Optional Ethernet				
	Module Display Interface	4.3" LCD touch screen (wall mounted)/ 7" or 10" LCD touch screen (parallel rack mounted)				
	Protection Function	Over-voltage protection, under-voltage protection, short-circuit protection, inverter bridge inverse protection, over-compensation protection (refer to manual for full list)				
	Monitoring	Independent monitoring and centralized monitoring				
<b>Mechanical Parameter</b>	Mounting Type	Wall mounted/Rack mounted/Cabinet/Customized parallel				
	Color	Black				
	Altitude	1% up 2000 m. Between 2000 m to 4000 m, according to GB/T3859.2,the power decreases by 1% for every additional 100 m.				
	Relative Humidity	5% to 95% non-condensing				
	Operating Temperature	-10 ~ 45°C				
	Protection Class	IP 20				
	Standard Compliance	IEC 61000/62477				

