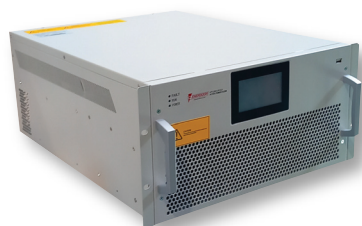




Datasheet 5/2023

Static var generator with excellent attenuation of inductive and reactive power

APPROVALS:



RACK MOUNTED



WALL MOUNTED

FEATURES

- Latest IGBT technology
- Quick response and minimal losses
- Full digital control systems DSP
- 3 level NPC topology, IGBT
- Switching frequency up to 35 KHz

BENEFITS

- Compensation from 50 KVAR
- Compensation for inductive and capacitive reactive power
- Suppress voltage fluctuation and flicker
- Suppress Three-Phase unbalance

MARKETS

- Hotel, hospital
- Car charger station, railway
- Oil and water plants
- Processing machinery
- End-user facilities

ORDERING CODE

SVG	.100	.4	.4F	.W
Model	Kvar	4 = 400V 5 = 480V 6 = 600V 7 = 690V	3F = 3phase 4F = 3 phase with neutral	R = Rack mount W = Wall mount

ATTENUATION INDICATOR

High	Very High	Excellent

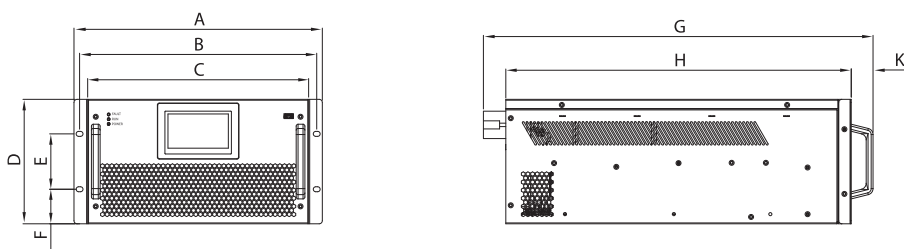
TECHNICAL SPECIFICATIONS

Nominal voltage	400 Vac (other voltages available on demand)
Frequency	50 – 60 Hz ± 3 Hz
Reactive power compensation	50-100 Kvar
PF Compensation	0.99
Overall efficiency	>97%
Power grid structure	3-phase, 3-phase plus neutral
Current transformer	150:5 ~ 6000:5
Reaction time	<50 us
Overall response time	<5 ms
Switching frequency	20 kHz
Communication ports	RS485
Module display interface	LCD touch screen
Altitude	1000m Over power decreases by 1% every 100m
Operating temperature	-10°C / + 40°C
Protection class	IP 20
Noise level	<56 dB
Color	Ral 7035 (Grey)
Humidity	Less than 95% RH, no condensing

RACK MOUNTED Nominal Voltage 400 Vac

SVG	Power (KVar)	Connection	Air cooling	A	B	C	D	E	F	G	H	K
.050.4.3F.R	50	3P	150 l/s	399	381	355	200	89	55.5	626	555	35
.050.4.4F.R	50	3P+N	150 l/s	399	381	355	200	89	55.5	626	555	35
.100.4.3F.R	100	3P	300 l/s	554	536	510	250	89	80.5	656	585	35
.100.4.4F.R	100	3P+N	300 l/s	554	536	510	250	89	80.5	656	585	35
.150.4.3F.R	150	3P	450 l/s	674	656	630	250	89	80.5	676	640	30
.150.4.4F.R	150	3P+N	450 l/s	674	656	630	250	89	80.5	676	640	30

RACK MOUNTED



WALL MOUNTED Nominal Voltage 400 Vac

SVG	Power (KVar)	Connection	Air cooling	A	B	C	D	E	F	G	H	
.050.4.3F.W	50	3P	150 l/s	418	390	355	200	360	80	556	520	
.050.4.4F.W	50	3P+N	150 l/s	418	390	355	200	360	80	556	520	
.075.4.3F.W	75	3P	225 l/s	503	475	440	232	300	137.5	611	575	
.075.4.4F.W	75	3P+N	225 l/s	503	475	440	232	300	137.5	611	575	
.100.4.3F.W	100	3P	300 l/s	573	545	510	250	300	142.5	621	585	
.100.4.4F.W	100	3P+N	300 l/s	573	545	510	250	300	142.5	621	585	

WALL MOUNTED

