INNOFLOW

Product overview

POWER QUALITY DEVICES

Static Var Generator

IF-SVG-C



Rack and wall versions are shown. Match the voltage and capacity columns to the selected unit; 400 V and 480 V ratings are not interchangeable.

TECHNICAL OVERVIEW
Selected product data and drawings. This document is not an installation manual.

Product views



View 1



View 2

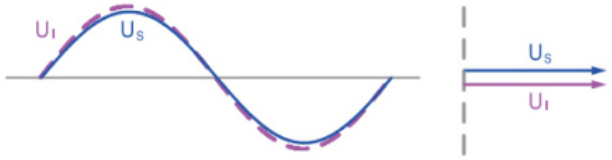
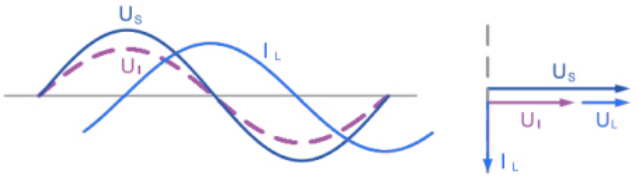
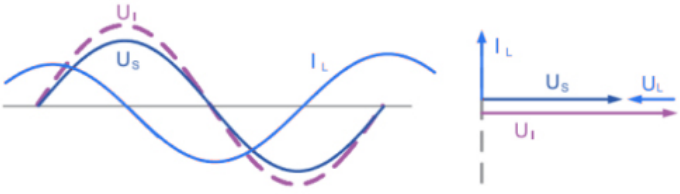


View 3



View 4

Technical reference

Operation Mode	Networks waveform and Vetor	Description
No Load Mode	 (a) $U_I = U_S$	U_I=U_S,SVG doesn't absorb or supplies reactive power
Inductive Mode	 (b) $U_I < U_S$	U_I<U_S, Current is lagging the voltage. SVG supplies Inductive current continuously.
Capacitive Mode	 (c) $U_I > U_S$	U_I>U_S, Current is leading the voltage.SVG supplies capacitive current continuously

Series reference. Apply the capacity, mounting type and units shown in this figure.

Technical reference

Static Var Generator Rack Module



Static Var Generator Wall Mounted Module



Series reference. Apply the capacity, mounting type and units shown in this figure.

Rack dimensions: 30 / 50 / 75 / 100 kvar

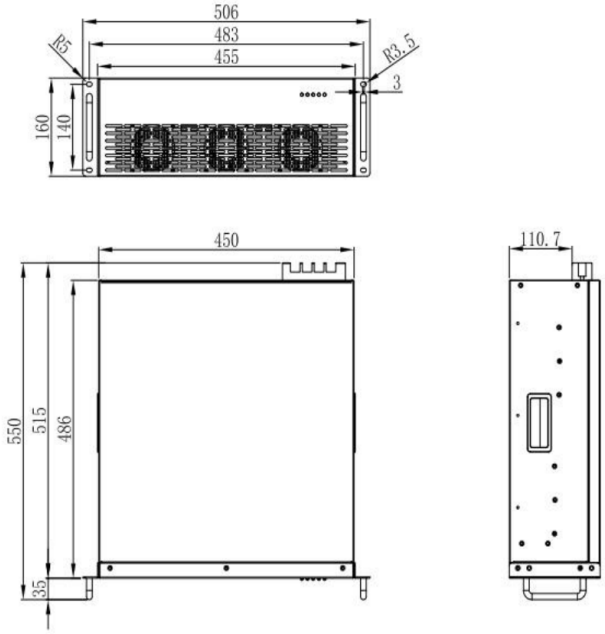


Figure 1 - 2 Overall Dimension Drawing (Unit: mm) of SVG/30(50)-Rack Type

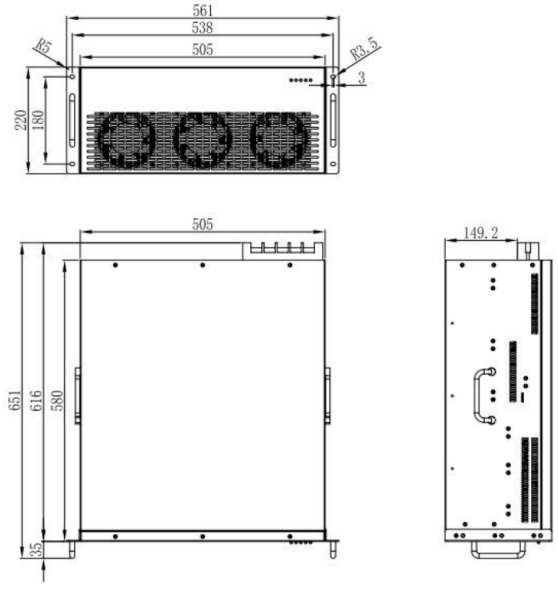


Figure 1 - 3 Overall Dimension Drawing (Unit: mm) of SVG/75(100)-Rack Type

Values and units follow the identified source variant.

Electrical and mechanical data

1.3 Technical Data

Table 1-1 Technical Data

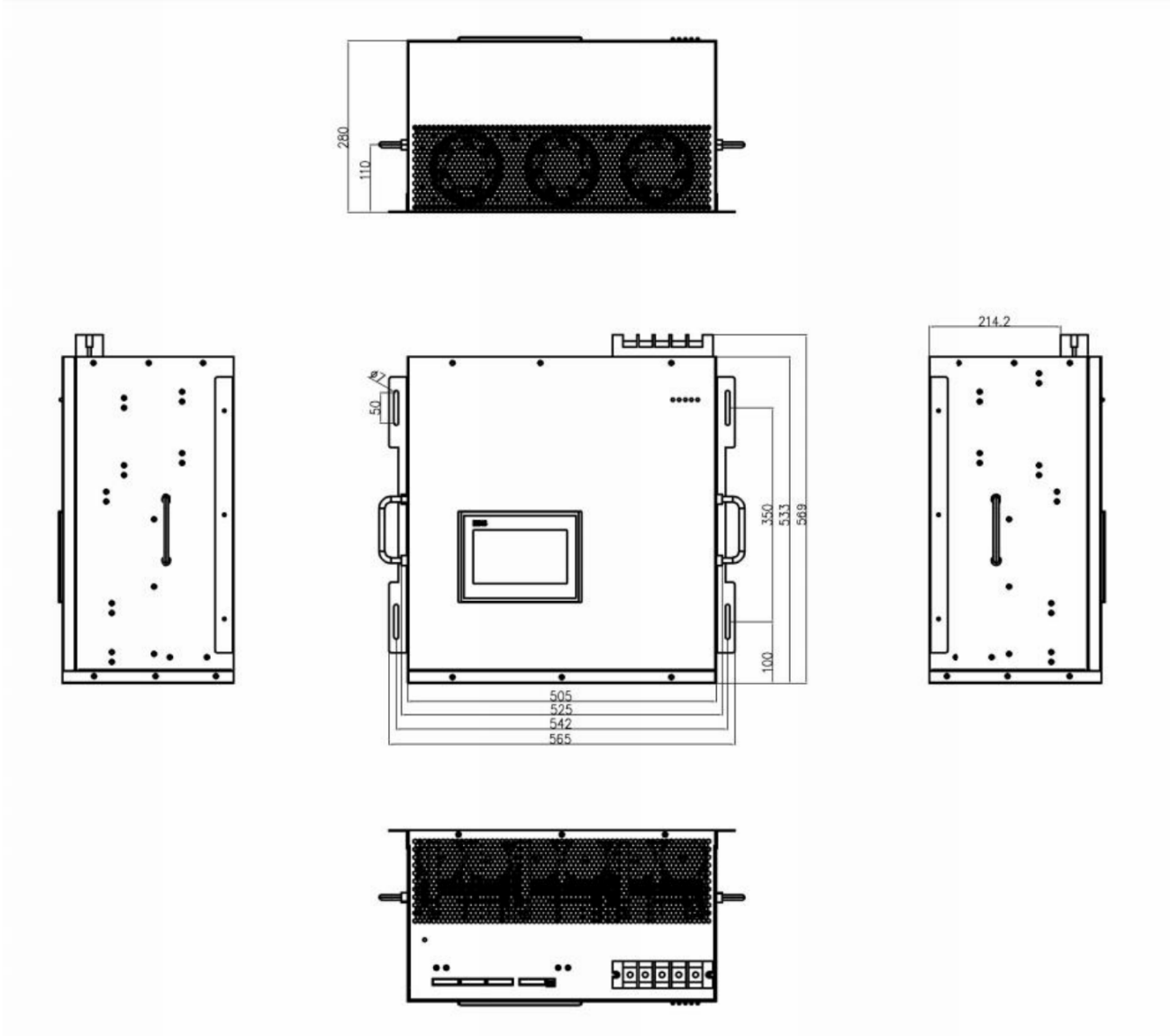
Rated capacity	20kvar	30kvar	50kvar	75kvar	100kvar
Rated current	30A	50A	75A	100A	150A
Cooling mode	Air cooling				
Environment temperature	-20～55℃				
Parallel operation	When multiple devices are running in parallel, refer to Table 2-9 for the selection of transformer and 2.3.5 for the connection method.				
Current transformer	50:5～10000:5				
Power consumption	≤3% of rated capacity				
Requirements for air volume	≥180m3/h	≥200m3/h	≥350m3/h	≥500m3/h	≥800m3/h
Grid frequency	50Hz±5%				
Grid voltage	400V±15%				
Connection mode	3phases+N+PE				
Protection grade	IP30				
Dimension	Refer to 1.2 and Appendix				
Weight	18kg	20kg	26kg	48kg	55kg

Notes: Devices at 480v level voltage are as follows

Rated capacity	20kvar	30kvar	50kvar	75kvar	100kvar
Rated current	24A	36A	60A	90A	120A

Values and units follow the identified source variant.

Wall dimensions: 75 / 100 kvar



SVG/75(100)kvar Wall mount type

Values and units follow the identified source variant.