

Technical Parameters



SVG Module

Model	Wiring Form	Voltage Level(V)	Capacity (kVAr)	Size W*D*H (mm)
RSPQC-SVG-10-4-4L	3P3W 3P4W	400	10	360x390x125
RSPQC-SVG-15-4-4L			15	470x492x137
RSPQC-SVG-30-4-4L			30	480x530x200
RSPQC-SVG-50-4-4L			50	480x530x200
RSPQC-SVG-75-4-4L			75	480x530x200
RSPQC-SVG-100-4-4L			100	680x530x200
RSPQC-SVG-150-4-4L			150	680x530x200

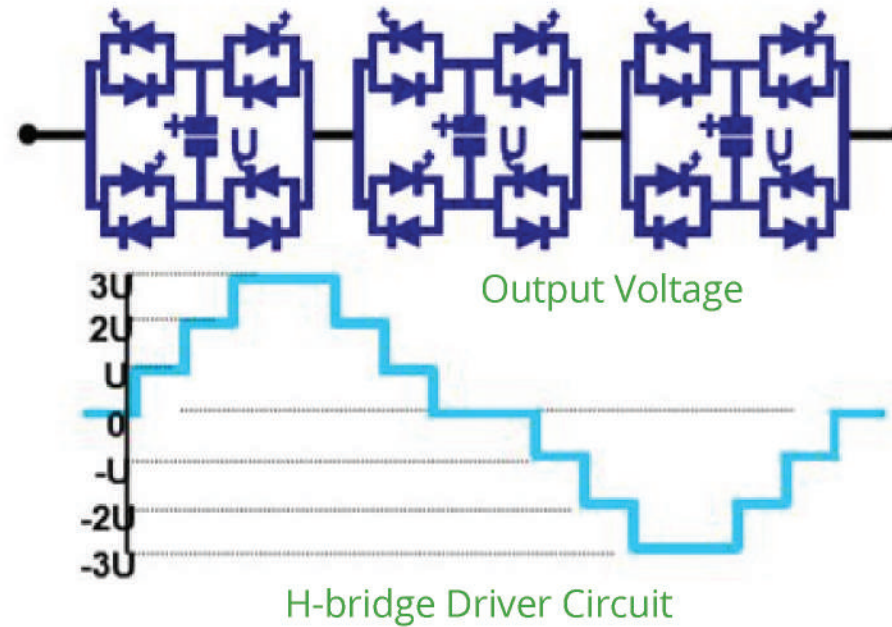
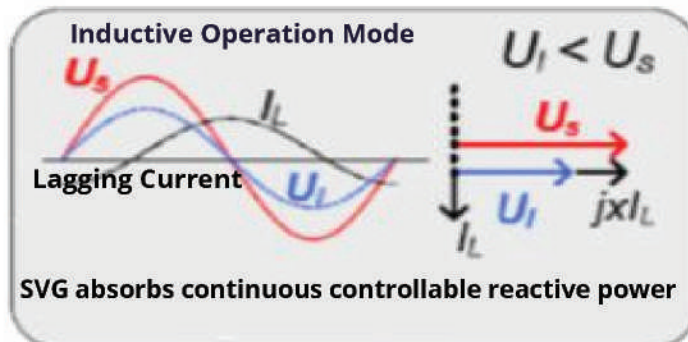
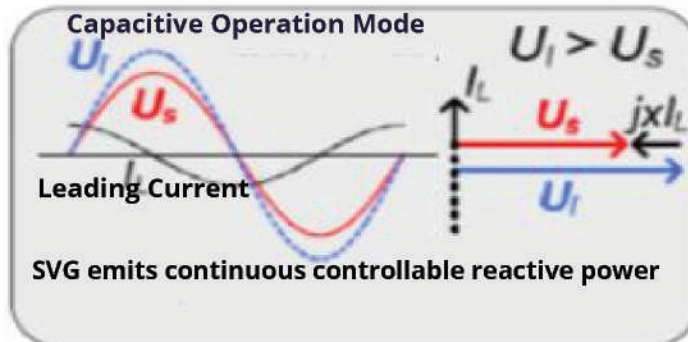
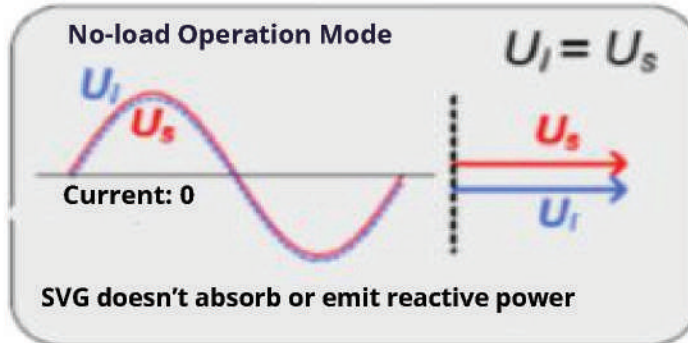
Free Landing SVG Cabinet

Model	Wiring Form	Voltage Level(V)	Capacity (kVA)	Size W*D*H (mm)
RSPQC-SVG-200-4-4L	3P3W 3P4W	400V	200	800x800x2200
RSPQC-SVG-XXX-4-4L			XXX	800x800x2200
RSPQC-SVG-400-4-4L			400	800x800x2200

Note: 1. The cabinet capacity can be any combination between 50kVAr~500kVAr, and the larger capacity cabinet can be customized. -800x800x2200mm (W * D * H) cabinet, the maximum capacity: 500kVAr. -1000x1000x2200mm (W * D * H) cabinet, maximum capacity: 600kVAr. 2. Cabinet protection level: IP30 (IP40 can be customized). 3. The cabinet contains all the components in the cabinet, such as SVG modules, RS-LCD LCD controllers, circuit breakers, etc., but does not include branch bus bars, through bus bars, N rows, etc. connected to the external power grid. 4. External sampling CT is generally provided by the customer on site and can be ordered separately.

SVG Working Principle

Three Operation Modes



Based on the principle of a voltage source inverter, the RS-SVG uses IGBT (insulated gate bipolar transistors) to control the magnitude and phase of the inverter AC voltage, thus achieving the purpose of reactive power and harmonic compensation. Due to the very high switching frequency of the IGBT (up to dozens of kHz), the SVG can compensate for rapidly changing reactive loads and achieve very high compensation accuracy. SVG is the best solution in the field of reactive power control.