CKElectric Offer
Advanced Static Var Generator
400V/50(60)HZ

Low voltage network

www.gojopa.com



Environment

- Installation：Indoor/Outdoor
- Ambient temperature:−20~55℃
- Average daily temperature:35℃
- Humidity:95%max

Connection mode

- 3P4W
- 3P3W

Environment certifications

- ISO 9001:2015
- ISO 14001:2015
- CE
- Type Test Report

Compared with the traditional capacitor bank, CKE Advanced Static Var Generator has the advantages of fast response and high compensation accuracy without under−compensation or over−compensation problems, avoid resonance, etc.

Options available through page 2

General characteristics

Electrical Specifications	
Rated voltage	400V
Electric Connection	3 Phase 4 Wire/ 3 Phase 3 Wires
Rated Frequency	50/60Hz
Compensation Mode	Reactive power compensation Harmonic mitigation 3 phase imbalance compensation Conventional capacitor switching
Harmonics Filtering Effect	Typically, THDi ⩽ 5% at rated load (Even with most complex loads).
Filter range	3nd~25th odd harmonics,Max 100% of rated capacity
Rated of Harmonic Reduction	⩾ 97% (For typical harmonic order distortions)
Target Power Factor	Adjustable from −1.0 to +1.0
3 Phase Load Balancing Effect	⩽ 5%, Mitigate negative and zero sequence
Neatral Filtering Capacity	3 times the rated filter current (in case of 4 wire device)
Reactive Power Compensation Capability	Both inductive and capacitive reactive power compensation
3 phase imbalance performance	⩽ 5%(At the capacity is sufficient)
Imbalance Correction Capability	Mitigate negative and zero sequence
Overall Response time	⩽ 5ms
Initial Response time	⩽ 50us
Thermal Loss	⩽ 2.5% of SVG rated capacity (kVA)
Output Current Limitation	Automatic (limited within 100% rated capacity)
Switching/control frequency	25.6kHz

Control Technology	
Human Machine Interface (HMI)	7” HMI(Touched&Colorized LCD Screen)
Topology	3 Level IGBT
Control algorithm	Intelligent FFT,Self−adaptive control algorithm
Controller	DSP+FPGA
Control connection	Fiber or electrical connection
Communication protocols	Adopt Modbus remote communication protocol; communication interface adopts RS485 and CAN bus, supporting mobile phone APP operation.

Physical Specification	
IP Grade of Cabinet	IP20
Cooling method	Speed regulation intelligent air cooling PWM Fans
Noise Level	<60db (<45db during low−speed operation)
Protection	Hardware protection, Software protection

Environmental Requirement	
Ambient Temperature	−20~55 ℃
Relative Humidity	Maximum 95%, without condensation
Altitude	⩽ 2000 at rated capacity; appropriately reduce the capacity if it is > 2000(1% derating per 100m)

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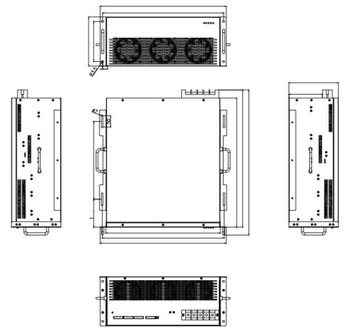
ASVG

Advanced Static Var Generator

References

Rated voltage	System voltage	Rated current	Type
400 VAC	296~465V	10 kVAR(15A)	CKE-ASVG/10-4
400 VAC	296~465V	15 kVAR(25A)	CKE-ASVG/15-4
400 VAC	296~465V	30 kVAR(50A)	CKE-ASVG/30-4
400 VAC	296~465V	50 kVAR(75A)	CKE-ASVG/50-4
400 VAC	296~465V	75 kVAR(100A)	CKE-ASVG/75-4
400 VAC	296~465V	100 kVAR(150A)	CKE-ASVG/100-4
400 VAC	296~465V	150 kVAR(200A)	CKE-ASVG/150-4

Dimensions



Type	Size (W*D*H)	Net Weight (kg)
CKE-ASVG/10-4	420*492*137	11
CKE-ASVG/15-4	420*492*137	15
CKE-ASVG/30-4	505*550*190	33
CKE-ASVG/50-4	505*550*190	35
CKE-ASVG/75-4	505*604*220	43
CKE-ASVG/100-4	505*604*220	45
CKE-ASVG/150-4	525*678*250	55

Accessories ordering codes

CKE−HMI	7 inch Human Machine Interface, Touched LCD Screen with matched cables

Modules Pictures

Horizontal Rack Module



Wall Mounted Module



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