



603063

HSVG Hopewind Static Var Generator

SVG

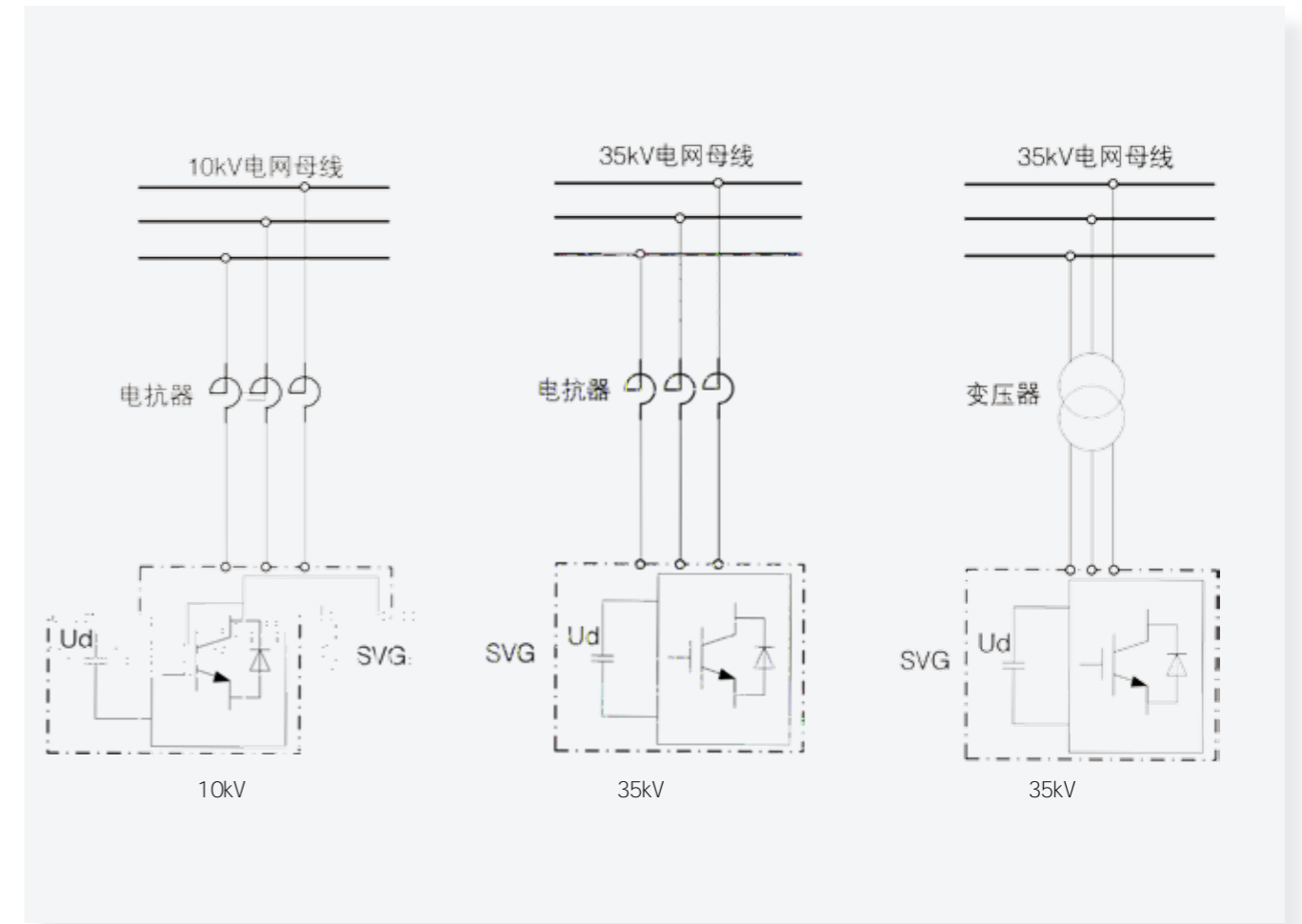
3kV 6kV 10kV 20kV 27.5kV 35kV
1.0Mvar 100.0Mvar
HSVG IGBT

HSVG PWM

10kV 35kV



CNAS



5

30



HSVG

THD

HSVG

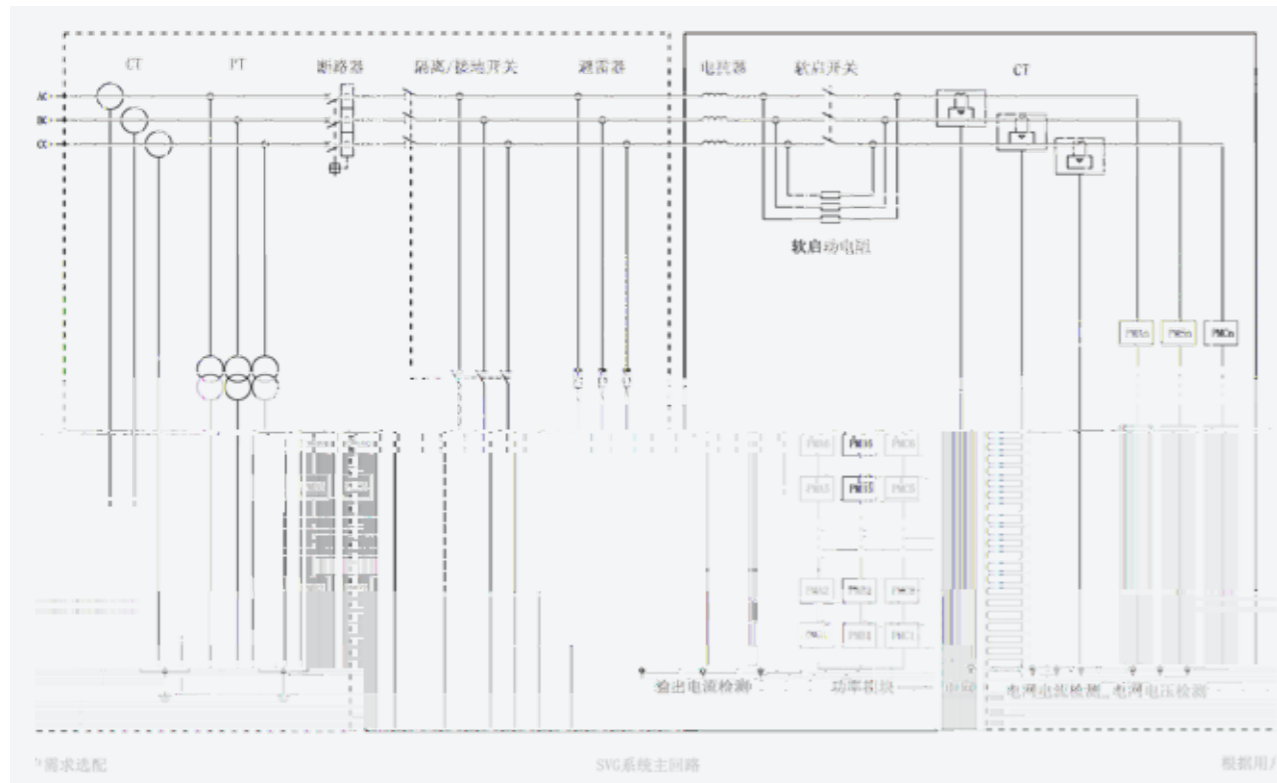
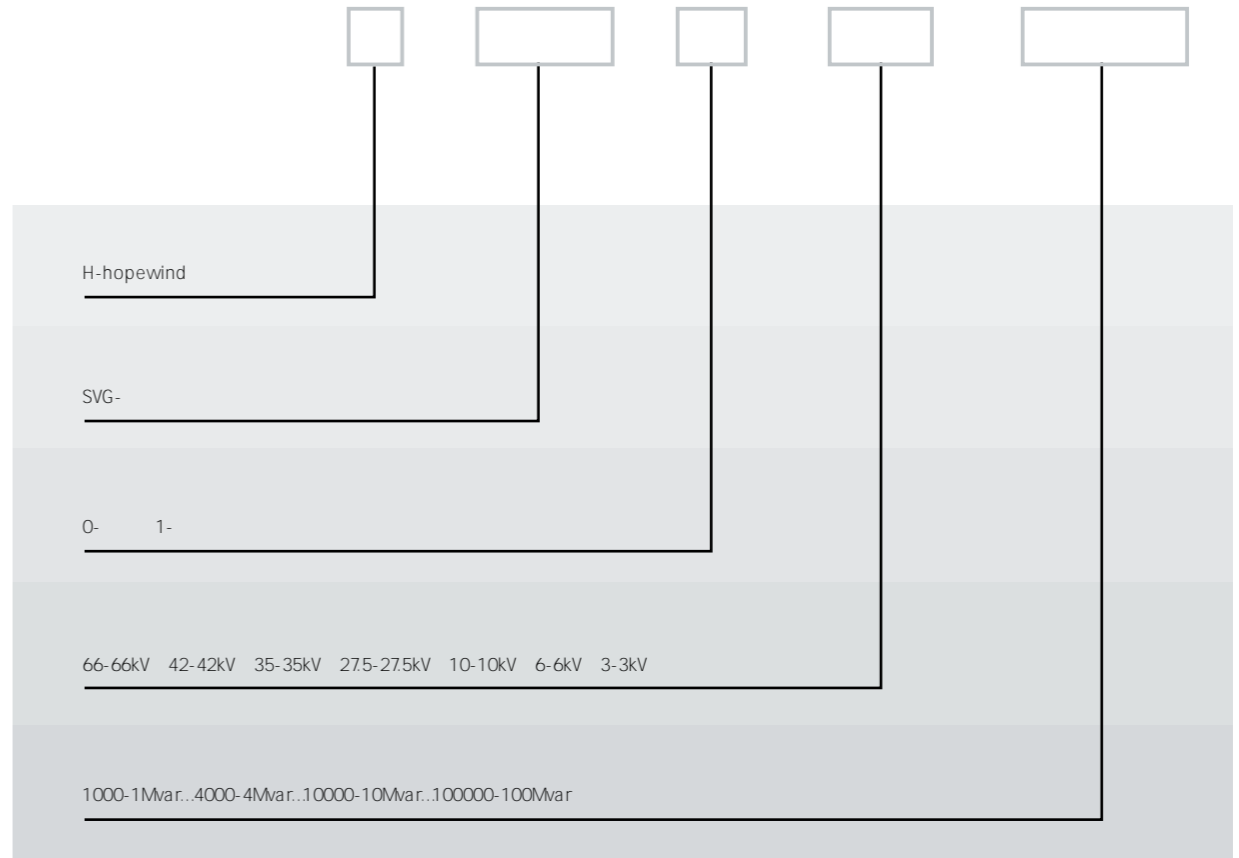
HSVG



HSVG

Y

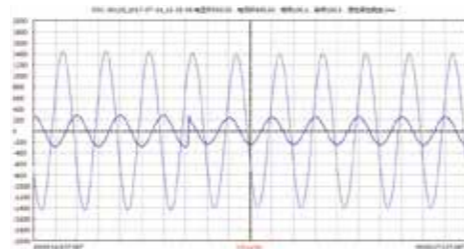
Y



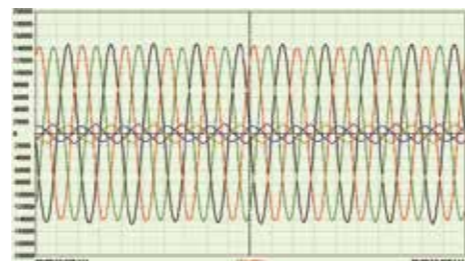
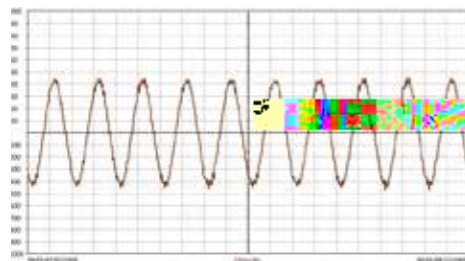
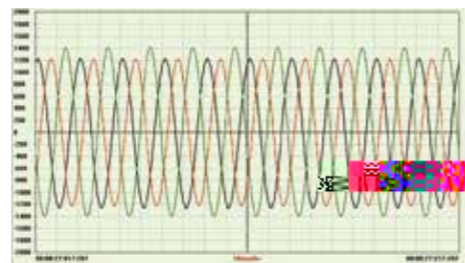
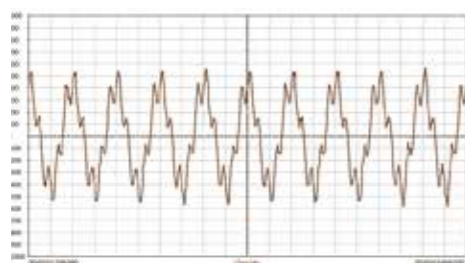


HSV

5ms



2 13



N

1

" N-1"

SVG



HSV

SVC SVG

SVG

SVG

SVG

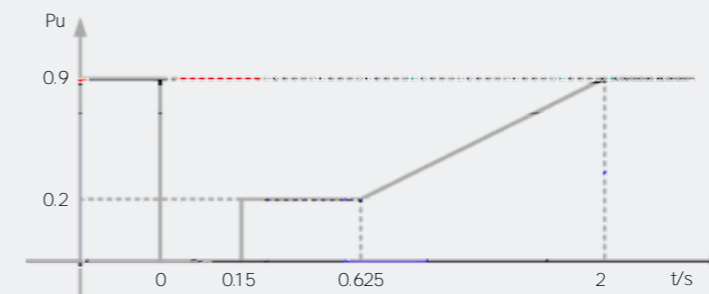
SVG

SVG

SVG

SVG

SVG



SVG 0



HSV

SVG

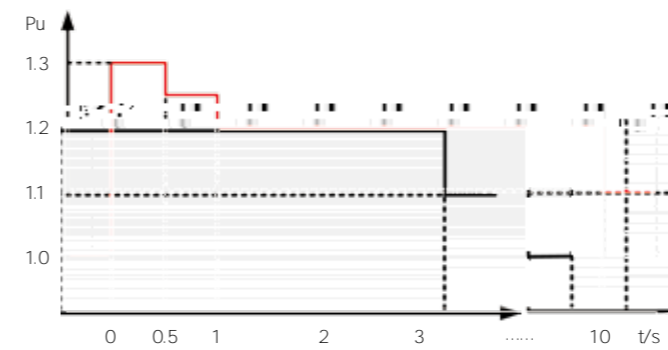
SVG

SVG

SVG

SVG

SVG

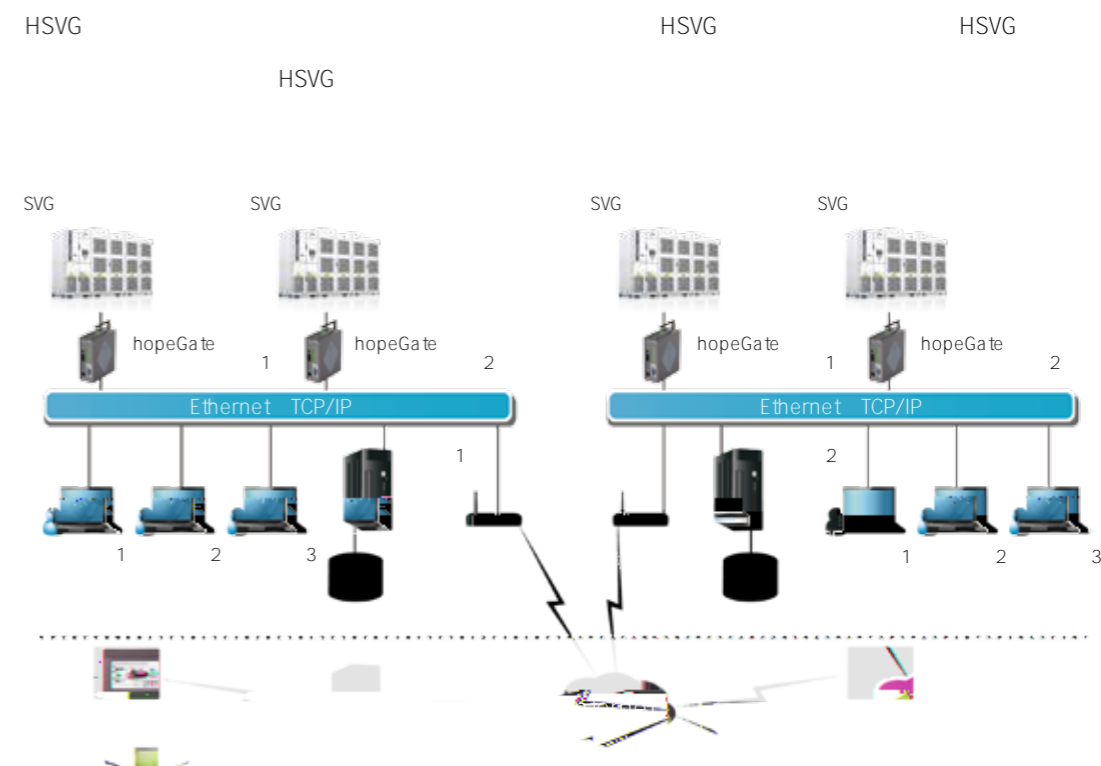


SVG



HSV

757kvar/m³



hopeView



hopeView
PC

hopeInsight
PC



10kV SVG 10kV 10kV 1.0Mvar 15.0Mvar

10kV															
Mvar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	58	115	173	231	289	346	404	462	520	577	635	693	751	808	866
	75% 115%														
	45Hz 55Hz / 55Hz 65Hz														
	THDu 10%														
	8%														
	2 13														
	0.99														
	99%														
	5ms														
	110% 120% 1min														
	/														
	380V -20% +15%														
	47.5Hz 52.5Hz / 57.5Hz 62.5Hz														
THDu	8%														
	2%														
	30A														
	RJ45 485														
	Modbus / 103 / 104														
	2000m 2000m														
	40 55 40 1 2%														
	95%														
	-40 +70														
	IP20 IP54														
	/ /														
** mm	4300*1200*2200					5400*1200*2200									
	4000*1200*2300					4600*1200*2300									
kg	6755					9000									
	3500					3900									

35kV SVG 35kV/10kV 35kV 1.0Mvar 15.0Mvar

35kV															
Mvar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
A	17	33	50	66	83	99	116	132	149	165	182	198	214	231	247
	75% 115% Un														
	45Hz 55Hz / 55Hz 65Hz														
	THDu 10%														
	8%														
	2 13														
	0.99														
	99%														
	5ms														
	110% 120% 1min														
	/														
	380V -20% +15%														
	47.5Hz 52.5Hz / 57.5Hz 62.5Hz														
THDu	8%														
	2%														
	30A														
	RJ45 485														
	Modbus / 103 / 104														
	2000m 2000m														
	40 55 40 1 2%														
	95%														
	-40 +70														
	IP20 IP54														
	/ /														
** mm	4300*1200*2200					5400*1200*2200									
	4000*1200*2300					4600*1200*2300									
kg	6755					9000									
	3500					3900									

35kV SVG 35kV 35kV 7.0Mvar 100.0Mvar

		35kV																					
Mvar		7	10	12	14	16	18	20	22	24	26	28	30	32	34	36	45	60	100	
A		116	132	165	198	231	264	297	330	363	396	429	462	495	528	561	594	742	990	1650
		75% 115% Un																					
		45Hz 55Hz / 55Hz 65Hz																					
		THDu 10%																					
		8%																					
		2 13																					
		0.99																					
		99%																					
		5ms																					
		110% 120% 1min																					
		/																					
		380V -20% +15%																					
		47.5Hz 52.5Hz / 57.5Hz 62.5Hz																					
	THDu	8%																					
		2%																					
		130A																					
		RJ45 485																					
		Modbus / 103 / 104																					
		2000m 2000m																					
		40	55	40																		1	2%
		95%																					
		-40 +70																					
		IP20 IP54																					
		/ /																					
		10000*3000*3000																					
		8000*3000*3000																					
		10800*3000*3000																					
		12600*3000*3500																					
		15000																					
		11000																					
		17000																					
		40000																					
*	*																						
mm																							
kg																							



2017 6 2020 4

2017 11

SVG

2020 4 SVG

SVG



SVG

2021 9

SVG

N-2





2019 10 2021 9

C5

90% SVG



3000

2020 5 2021 9

3000

35kV SVG



4000

2020 6

4000

SVG



5000

2021 9

5000 SVG GB IEC

35kV

5000





2021 12

6 35kV

SVG

SVG



2020 10 2022 5

SVG



SVG+FC

2020 6

3 5 7 17

SVG+FC



2020 12

DSP

30% SVG





2020 6

SVG



2019 5

13 SVG

SVG



2018 11

SVG



2014 8 2019 11 2021 8

0.78 0.99

SVG



2019 3

JANG PONG

SVG

SVG



2018 1

SVG



夙禾尽起 志望千里

