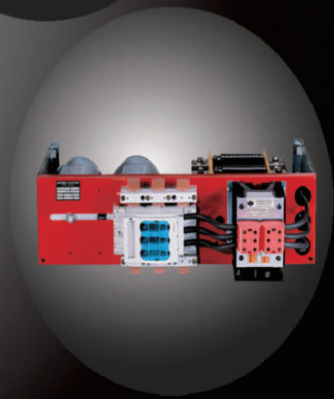
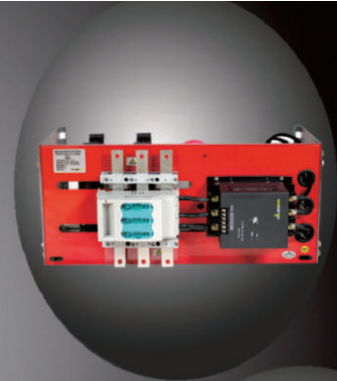
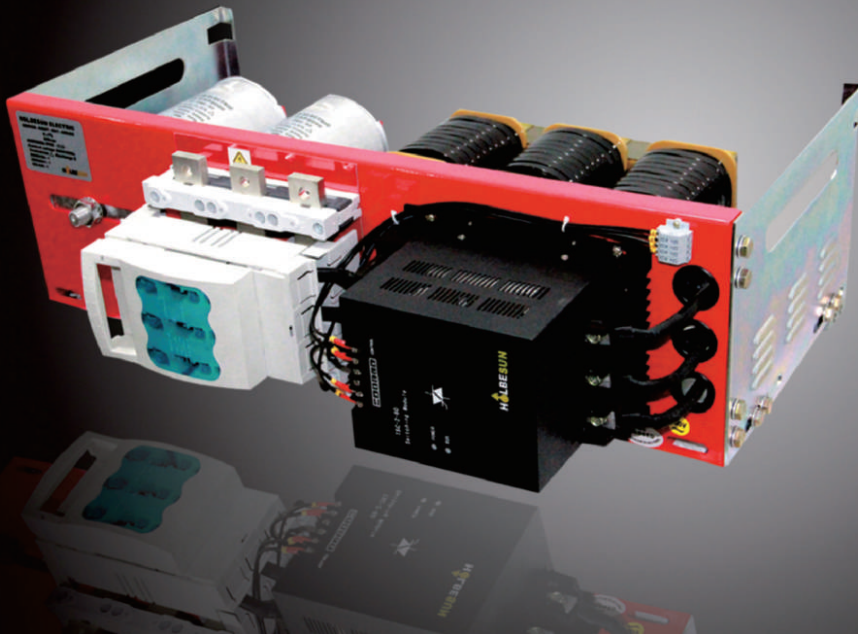


BVS series of dynamic thyristor switches module and harmonic control



Technical features:

- Thyristor switch module makes reaction times of 1...20 milliseconds possible. The switching is done, practically without reactive effects, at zero voltage level (no voltage between input and output).
- Have a number of German patent technology.
- Has a very compact design, strong and durable.
- Built-in cooling fan.
- Built-in over temperature protection.
- Integration, small dimension, convenient connection.
- LED indication for the switching signal.
- Touch secure connection. IP20.
- Service life is more than 15 years.

Application:

- Automatic reactive compensation can be install and use directly.
- Concentration of reactive power compensation in three- phase power grid whose harmonic pollution is worse.
- Application for Upper limit of harmonic pollution: U3max. 0.5%, U5max. 5%, U7max.

Assembly components:

- High load, inflatable, low loss, self-healing capacitor, with over voltages protection.
- Vertical busbar system with low voltages fuses protection.
- Filter reactor, temperature monitoring, low loss, vacuum impregnation.
- CT2000 thyristor switches module.
- CR2000 intelligent controller.
- Temperature monitoring.

Warranty period:

30 months

Reactance rate:

5.67%, 5.67%, 5.67%, 6%, 12%, 14%

Technical standards:

EN60439-1, EN60831-1, IEC439-1

Rated voltages:

230- 690 v (within 8 hours a day Max + 10%)
50/60 Hz

Installation:

- Indoor, for outdoor installations, please feel free to contact us.
- Altitude above sea level is not more than 2000 meters. If you need more, please feel free to contact us.

Protection class:

Ip20 or IP00; If you need up to IP54, welcome to inquiry.

Temperature level:

- 20 / B (the highest average temperature +35 °C
æmore, please feel free to contact us.

P=7%-Integration of reactive compensation and harmonic control drawer type module
Automatic control,
Capacitor rated voltage $U_N = 480$ V, inrush current: 1.51 N

Single cabinet of complete sets of component,
 IP00, Not include cabinet.

Note:400/50 Hz
 Other model please feel free to contact us

Compensation capacity Kvar	Grade×Kvar	Model	Module combination scheme	Dimension W×H×D	Weight Kg	Main switch A
100	4×25	HBSUN-BVS7-100/4	25/1×2+50/1	704×700×450	130	250
120	4×30	HBSUN-BVS7-120/4	30/1×2+60/1	704×700×450	153	400
125	5×25	HBSUN-BVS7-125/5	25/1+50/1×2	704×700×450	149	400
150	6×25	HBSUN-BVS7-150/6	25/1×2+50/1×2	704×900×450	186	400
150	5×30	HBSUN-BVS7-150/5	30/1+60/1×2	704×700×450	177	400
175	7×25	HBSUN-BVS7-175/7	25/1+50/1×3	704×900×450	205	400
180	6×30	HBSUN-BVS7-180/6	30/1×2+60/1×2	704×900×450	220	400
200	8×25	HBSUN-BVS7-200/8	25/1×2+50/1×3	704×1100×450	242	630
210	7×30	HBSUN-BVS7-210/7	30/1+60/1×3	704×1100×450	244	630
225	9×25	HBSUN-BVS7-225/9	25/1+50/1×4	704×1100×450	261	630
240	8×30	HBSUN-BVS7-240/8	30/1×2+60/1×3	704×1300×450	328	630
250	5×50	HBSUN-BVS7-250/5	50/1×5	704×1100×450	280	630
250	10×25	HBSUN-BVS7-250/10	25/1×2+50/1×4	704×1300×450	288	630
270	9×30	HBSUN-BVS7-270/9	30/1+60/1×4	704×1300×450	311	630
300	6×50	HBSUN-BVS7-300/6	50/1×6	704×1350×450	336	800
300	10×30	HBSUN-BVS7-300/10	30/1×2+60/1×4	704×1350×450	352	800
300*	12×25	HBSUN-BVS7-300/12	25/1×2+50/1×5	704×1350×910	354	800
325*	13×25	HBSUN-BVS7-300/13	25/1×3+60/1×4	704×1350×910	391	800
330*	11×30	HBSUN-BVS7-330/11	30/1×3+60/1×4	704×1350×910	397	800
350*	7×50	HBSUN-BVS7-350/7	50/1×7	704×1350×910	402	800
350*	14×25	HBSUN-BVS7-350/14	25/1×2+50/1×6	704×1350×910	390	800
360	6×60	HBSUN-BVS7-360/6	60/1×6	704×1350×450	402	800
360*	12×30	HBSUN-BVS7-360/12	30/1×2+60/1×5	704×1350×910	420	800

Note: Other value upon request, indicated parameters are approximated and subject to change due to design improvement, without affecting the functional parameters. Please feel free to contact us
 It is only suitable for 1 m deep cabinet.

M22BV type single module

Capacity	Grade×Kvar	Power combination	Model	Weight(Kg)	Fuse switch disconnecter A
60	1×60	60	HBSUN-KSM7D-60/1-M22BV-400/50	67	125
50	1×50	50	HBSUN-KSM7D-50/1-M22BV-400/50	56	100
30	1×30	30	HBSUN-KSM7D-30/1-M22BV-400/50	43	63
25	1×25	25	HBSUN-KSM7D-25/1-M22BV-400/50	37	50
15	1×15	15	HBSUN-KSM7D-15/1-M22BV-400/50	32	35

M31 type single module specification is the same with M22 BV type.
 The module specification with 6%、8% reactance rate is as above.

P=14%-Integration of reactive compensation and harmonic control drawer type module
Automatic control,
Capacitor rated voltage $U_N = 525$ V, inrush current: 1.51 N

Single cabinet of complete sets of component,
 IP00, Not include cabinet.

Note:400/50 Hz
 Other model please feel free to contact us

Compensation capacity Kvar	Grade×Kvar	Model	Module combination scheme	Dimension W×H×D	Weight Kg	Main switch A
100	4×25	HBSUN-BVS14-100/4	25/1×2+50/1	704×700×450	156	250
120	4×30	HBSUN-BVS14-120/4	30/1×2+60/1	704×700×450	186	400
125	5×25	HBSUN-BV14-125/5	25/1+50/1×2	704×700×450	186	400
150	6×25	HBSUN-BVS14-150/6	25/1×2+50/1×2	704×900×450	228	400
150	5×30	HBSUN-BVS14-150/5	30/1+60/1×2	704×700×450	219	400
175	7×25	HBSUN-BVS14-175/7	25/1+50/1×3	704×900×450	258	400
180	6×30	HBSUN-BVS14-180/6	30/1×2+60/1×2	704×900×450	270	400
200	8×25	HBSUN-BVS14-200/8	25/1×2+50/1×3	704×1100×450	300	630
210	7×30	HBSUN-BVS14-210/7	30/1+60/1×3	704×1100×450	303	630
225	9×25	HBSUN-BVS14-225/9	25/1+50/1×4	704×1100×450	330	630
240	8×30	HBSUN-BVS14-240/8	30/1×2+60/1×3	704×1300×450	354	630
250	5×50	HBSUN-BVS14-250/5	50/1×5	704×1100×450	360	630
250	10×25	HBSUN-BVS14-250/10	25/1×2+50/1×4	704×1300×450	372	630
270	9×30	HBSUN-BVS14-270/9	30/1+60/1×4	704×1300×450	387	630
300	6×50	HBSUN-BVS14-300/6	50/1×6	704×1350×450	432	800
300	10×30	HBSUN-BVS14-300/10	30/1×2+60/1×4	704×1350×450	428	800
300*	12×25	HBSUN-BVS14-300/12	25/1×2+50/1×5	704×1350×910	454	800
325*	13×25	HBSUN-BVS14-300/13	25/1×3+60/1×4	704×1350×910	462	800
330*	11×30	HBSUN-BVS14-330/11	30/1×3+60/1×4	704×1350×910	489	800
350*	7×50	HBSUN-BVS14-350/7	50/1×7	704×1350×910	504	800
350*	14×25	HBSUN-BVS14-350/14	25/1×2+50/1×6	704×1350×910	516	800
360	6×60	HBSUN-BVS14-360/6	60/1×6	704×1350×450	514	800
360*	12×30	HBSUN-BVS14-360/12	30/1×2+60/1×5	704×1350×910	522	800

Note: Other value upon request, indicated parameters are approximated and subject to change due to design improvement, without affecting the functional parameters. Please feel free to contact us
 It is only suitable for 1 m deep cabinet.

M22BV type single module

Capacity	Grade×Kvar	Power combination	Model	Weight(Kg)	Fuse switch disconnector A
60	1×60	60	HBSUN-KSM14D-60/1-M22BV-400/50	84	125
50	1×50	50	HBSUN-KSM14D-50/1-M22BV-400/50	72	100
30	1×30	30	HBSUN-KSM14D-30/1-M22BV-400/50	51	63
25	1×25	25	HBSUN-KSM14D-25/1-M22BV-400/50	42	50
15	1×15	15	HBSUN-KSM14D-15/1-M22BV-400/50	37	35

M31 type single module specification is the same with M22 BV type.