

BK S - Battery of condensers

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They are designed to compensate for inductive wattless power in the LV grids, assuming equal loading between the phases and small value of higher harmonics. Manufactured in sizes between 12.5 kVar and 480 kVar as standard. The metering and adjustment process is based on microprocessor wattless power regulator RMB installed in a panel. The connection elements are provided in the form of BFK contactors with additional resistors limiting the initial condenser charging current. The bays securing the condensers, depending on the battery power, house fuse bases installed on rail TS-35 or circuit-breakers installed on rail. Our batteries are fitted with dry condensers MKP with polypropylene foil as a dielectric. Bundles are embedded with dense, non-toxic, non-flammable and ecologically harmless substance. Because of the applied materials and modern technology, the MKP condensers are compact, show low active power losses, high resistance to surges and frequent switching to a grid. The condensers are also secured against excessive increase of pressure inside the casing. Batteries over 60 kVar have a system of forced top-down ventilation with temperature regulator KTS 011.

TECHNICAL PARAMETERS:

- Rated voltage: 440V
- Frequency: 50 Hz
- Condenser losses: 0.2W/kVar
- Ambient Temperature: -25° to + 40°C
- Housing protection degree: IP55

WE OFFER:

- selection of proper battery of condensers based on daily measurements or based on an invoice issued by the electrical energy provider,
- production of custom battery,
- installation and commissioning on the object.

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Lp.	Battery type	Power kVar	Power of the 1st stage kVar	Number of members	Type of regulation	Dimensions (width x height x depth, mm)
1	BK-S-12,5/2,5	12,5	2,5	3	1:2:2	600 x 600 x 250
2	BK-S-17,5/2,5	17,5	2,5	3	1:2:4	600 x 600 x 250
3	BK-S-20/5	20	5	3	1:1:2	600 x 600 x 250
4	BK-S-25/5	25	5	3	1:2:2	600 x 600 x 250
5	BK-S-30/5	30	5	3	1:2:3	600 x 600 x 250
6	BK-S-35/5	35	5	3	1:2:4	600 x 600 x 250
7	BK-S-35/5	40	10	3	1:1:2	600 x 600 x 250
8	BK-S-45/5	45	5	4	1:2:3:3	600 x 600 x 250
9	BK-S-50/5	50	5	4	1:2:3:4	600 x 600 x 250
10	BK-S-55/5	55	5	4	1:2:4:4	600 x 600 x 250
11	BK-S-60/5	60	5	5	1:2:3:3:3	800 x 800 x 300
12	BK-S-70/5	70	5	5	1:2:3:4:4	800 x 800 x 300
13	BK-S-75/5	75	5	5	1:2:4:4:4	800 x 800 x 300
14	BK-S-80/10	80	10	5	1:1:2:2:2	800 x 800 x 300
15	BK-S-90/10	90	10	5	1:2:2:2:2	800 x 800 x 300
16	BK-S-100/10	100	10	6	1:1:2:2:2:2	800 x 800 x 300
17	BK-S-110/10	110	10	4	1:2:4:4	upon request
18	BK-S-120/10	120	10	5	1:2:3:3:3	upon request
19	BK-S-135/15	135	15	5	1:2:2:2:2	upon request
20	BK-S-150/10	150	10	5	1:2:4:4:4	upon request
21	BK-S-160/20	160	20	5	1:2:2:2:2	upon request
22	BK-S-180/10	180	10	6	1:2:3:4:4:4	upon request
23	BK-S-190/10	190	10	6	1:2:4:4:4:4	upon request
24	BK-S-200/20	200	20	6	1:1:2:2:2:2	upon request
25	BK-S-220/10	220	10	7	1:2:3:4:4:4:4	upon request
26	BK-S-230/10	230	10	7	1:2:4:4:4:4:4	upon request
27	BK-S-240/20	240	20	7	1:1:2:2:2:2:2	upon request
28	BK-S-260/20	260	20	7	1:2:2:2:2:2:2	upon request
29	BK-S-270/10	270	10	8	1:2:4:4:4:4:4:4	upon request
30	BK-S-280/20	280	20	8	1:1:2:2:2:2:2:2	upon request
31	BK-S-310/10	310	10	9	1:2:4:4:4:4:4:4:4	upon request
32	BK-S-340/20	340	20	9	1:2:2:2:2:2:2:2:2	upon request
33	BK-S-350/10	350	10	10	1:2:4:4:4:4:4:4:4:4	upon request
34	BK-S-380/20	380	20	10	1:2:2:2:2:2:2:2:2:2	upon request
35	BK-S-400/20	400	20	11	1:1:2:2:2:2:2:2:2:2:2	upon request
36	BK-S-430/10	430	10	12	1:2:4:4:4:4:4:4:4:4:4	upon request
37	BK-S-460/20	460	20	12	1:2:2:2:2:2:2:2:2:2:2	upon request
38	BK-S-480/40	480	40	12	1:1:1:1:1:1:1:1:1:1:1	upon request

