

MBC Battery chargers, switch-mode, 3-STEP, IP65

Type	MBC 12-06/1	MBC 12-15/1	MBC 24-03/1	MBC 24-08/1
Battery voltage (Vdc)	12	12	24	24
Input voltage (Vac)	100-260	100-260	100-260	100-260
Charge voltage (boost)	14.4	14.4	28.8	28.8
Charge voltage (float)	13.8	13.8	27.6	27.6
Output (Amp.)	6	15	3	8
Cooling	Heat sink	Heat sink	Heat sink	Heat sink
Outputs	1	1	1	1
Frequency	40-60 Hz	40-60 Hz	40-60 Hz	40-60 Hz
Efficiency	> 85 %	> 85 %	> 85 %	> 85 %
Ambient temp. range	-25 to 50°C	-25 to 50°C	-25 to 50°C	-25 to 50°C
Dimensions l x w x h (mm)	155x80x36	195x100x47	155x80x36	195x100x46
Weight (kg)	0.9	1.8	0.9	1.8
Recommended battery capacity	18-60 Ah	45-150 Ah	9-30 Ah	24-80 Ah
Switch over current (A)	0.17-0.23	0.68-0.92	0.17-0.23	0.34-0.46
Secondary fuse (A)	7.5	20	7.5	15
Input wired (Vac)	✓	✓	✓	✓
Output wired (Vdc)	✓	✓	✓	✓
Warranty	2 years			



MBC 12-15/1

MBC Battery chargers, switch-mode, 3-STEP

Type	MBC 12-08/2	MBC 12-12/2	MBC 12-25/3	MBC 12-30/3	MBC 12-40/3	MBC 12-60/3
Battery voltage (Vdc)	12	12	12	12	12	12
Input voltage (Vac)	230	230	230	83-280	83-280	83-280
Charge absorption volt. (Vdc)	14.1 (14.4*)	14.1 (14.4*)	14.1 (14.4*)	14.1 (14.4*)	14.1 (14.4*)	14.1 (14.4*)
Charge float voltage (Vdc)	13.5 (13.8*)	13.5 (13.8*)	13.5 (13.8*)	13.5 (13.8*)	13.5 (13.8*)	13.5 (13.8*)
Output (Amp.)	8	12	25	30	40	60
Cooling	Natural	Fan	Fan	Fan	Fan	Fan
Outputs	2	2	3	3	3	3
Frequency	45-66 Hz	45-66 Hz	45-66 Hz	45-66 Hz	45-66 Hz	45-66 Hz
PFC				✓	✓	✓
Ambient temp. range	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C
Dimensions l x w x h (mm)	155x205x75	155x205x75	155x268x75	272x334x127	272x334x127	272x412x127
Weight (kg)	1.3	1.4	2.3	4.2	4.2	5.4
EMC class	EN 55022/B					
Warranty	2 years					

* GEL batteries



MBC 12-25/3

Type	MBC 12-80/3	MBC 24-12/2	MBC 24-30/3	MBC 24-60/3	MBC 24-80/3
Battery voltage (Vdc)	12	24	24	24	24
Input voltage (Vac)	83-280	230	83-280	83-280	83-280
Charge voltage (boost) (Vdc) *	14.1 (14.4*)	28.2 (28.8*)	28.2 (28.8*)	28.2 (28.8*)	28.2 (28.8*)
Charge voltage (float) (Vdc) *	13.5 (13.8*)	27.0 (27.6*)	27.0 (27.6*)	27.0 (27.6*)	27.0 (27.6*)
Output (Amp.)	80	12	30	60	80
Cooling	Fan	Fan	Fan	Fan	Fan
Outputs	3	2	3	3	3
Frequency	45-66 Hz	45-66 Hz	45-66 Hz	45-66 Hz	45-66 Hz
PFC	✓		✓	✓	✓
Ambient temp. range	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C
Dimensions l x w x h (mm)	272x495x127	155x268x75	272x412x127	272x495x127	272x495x127
Weight (kg)	7.1	2.3	5.4	7.1	7.1
EMC class	EN 55022/B				
Warranty	2 years				

* GEL batteries



MBC 12-60/3

Optional Remote Display MDP-01

ON/OFF, I/U,
with 8m cable

Requires an external shunt 100A/100mV



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