



Technical Data – Battery Chargers

Date 2016-04-21/CN

Model	BC60	BC 1205	BC 1207	BC 1217	BC 1217 XC	BC 1230	BC 1230 XC	BC 2412	BC 2420
Part no.	1753925	1753980	1753910	1753930	2400289	1753931	1753932	1753280	1753281
1. Electrical input									
Main supply (VAC)	120/230VAC 50-60Hz	120/230VAC 50-60Hz	230VAC 50Hz	230VAC 50Hz	230VAC 50Hz	230VAC 50Hz	230VAC 50Hz	230VAC 50Hz	230VAC 50Hz
Rated power	50W	100W	100W	250W	250W	450W	450W	300W	500W
Consumption from main supply	1A Max (120V) 0.5A Max (230V)	2A Max (120V) 1A (230V)	1A Max	2A Max	2A Max	2A Max	2A Max	2A Max	3A Max
2. Electrical output									
System voltage	12V	12V	12V	12V	12V	12V	12V	24V	24V
Charging voltage	14,7V/13,7V	14,7V/13,7V	14,7V/13,7V	14,7V/13,7V	14,7V/13,7V	14,4V/13,7V	14,4V/13,7V	28.8V/27,6V	28.8/27,6
Max charging current	3A	6A	7A	17A	17A	30A	30A	13A	20A
Charging current according to EN 60332-29	2A	5A	7A	17A	17A	30A	30A	12A	20A
Consumption from battery	<1mA	<1mA	<1mA	<1mA	<1mA	<1mA	<1mA	<1mA	<1mA
Recommended battery capacity	5-75Ah	20-120Ah	20-120Ah	20-250Ah	20-250Ah	50-400Ah	50-400Ah	20-240Ah	20-300Ah
Short cut protection	Built in	Built in	Built in	Built in	Built in	Built in	Built in	Built in	Built in
Protection against wrong connection	Yes	Yes	Yes	Yes	Yes	Built in	Built in	Yes	Built in
Fuse, secondary side	No, built in	Yes	Yes	Yes	Yes	No, built in	No, built in	Yes	No, built in
By pass 230V system (XC= Cross Charger)	Yes	Yes	No	No	Yes	No	Yes	No	No
3. Dimension									
Length x width x height	185x35x40mm	155x100x40mm	150x80x43mm	198x98x47mm	198x98x47mm	198x98x47mm	198x98x47mm	198x98x47mm	198x98x47mm
Weight with cables	0,2kg	0,4kg	1,0kg	1,7kg	1,7kg	1,7kg	1,7kg	1,5kg	1,7kg
12V connection cables	~1500mm	~1500mm	~1500mm	~1500mm	~1500mm	~1500mm	~1500mm	~1500mm	~1500mm
4. Temperature resistance									
Operating temperature	-40°C to +80°C	-40°C to +80°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Storage temperature	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Cold start Charger	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C	-40°C



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5. Degree of protection									
Degree of protection (Acc. To Certificate)	IP44	IP44	IP65	IP65	IP65	IP65	IP65	IP65	IP65
6. High pressure washing	<i>n/a</i>	<i>n/a</i>							
Working pressure	<i>n/a</i>	<i>n/a</i>	170 bar	170 bar	170 bar	170 bar	170 bar	170 bar	170 bar
Water flow	<i>n/a</i>	<i>n/a</i>	17 l/min	17 l/min	17 l/min	17 l/min	17 l/min	17 l/min	17 l/min
Water temperature	<i>n/a</i>	<i>n/a</i>	90°C	90°C	90°C	90°C	90°C	90°C	90°C
Distance	<i>n/a</i>	<i>n/a</i>	300mm	300mm	300mm	300mm	300mm	300mm	300mm
7. Certification									
Electrical safety	EN 60 335-1	EN 60 335-1	EN 60 335-1:2002 +A11 +A1+A12+A2	EN 60 335-1	EN 60 335-1	EN 60 335-1	EN 60 335-1	EN 60 335-1	EN 60 335-1
Electrical safety	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771	EN 60 335-2-29, SS 4330771
EMF			EN 50366:2003+A1						
EMC	EN 61000-6-1, EN 61000-6-3	EN 61000-6-1, EN 61000-6-3	EN 61204-3:2000	EN 61204-3:2000	EN 61204-3:2000	EN 61204-3:2000	EN 61204-3:2000	EN 61204-3:2000	EN 61204-3:2000

n/a = not applicable