

Battery charger: BC 1230

Type of Charger: Switch mode.

Charge characteristics: I/U/U.



Subject:	Data:	Note:
1. Electrical input		
Main supply	230 VAC 50-60 Hz	(190-254 VAC)
Rated power	450 W	
Consumption from main supply	Max 2 A	
2. Electrical output		
System voltage	12 VDC	
Charging voltage	14,4 V / 13,7 V	High / low charging phase
Max charging current	30 A	
Charging current according to EN 60335-2-29	30 A	
Consumption from battery	< 1 mA	
Recommended battery capacity	60-400 Ah	At normal use in vehicle, 100% discharge. 50% discharge 200Ah. All at +20°C.
Short circuit protection	Built in	
Protection against wrong connection	Yes	Alt. External fuse
Fuse, secondary side	No	
Temperature controlled charging	Yes	3 mV/degree @ 25°C
Battery cables	RK AWG10	Temp sense integrated in black cable shoe, minus connector
3. Dimension		
Length x width x height	192 x 98 x 49 mm	
Weight with cables	1,7 kg	
Length cables	1500 mm	with ring terminal M8
4. Temperature resistance		
Operating temperature	-40°C to +60°C	Reduced capacity from +40°C
Storage temperature	-40°C to +105°C	IEC 60068-2-14 Test Nb
Coldstart Charger	-40°C	
5. Degree of protection (IEC 60529)		
Degree of protection IEC 60529:2014	IP46	Cert no. 1509128
7. Certification		
Electrical safety	EN 60 335-1:2012 EN 60 335-2-29:2004	Cert no. 1509129
EMC-emission / Immunity	EN 62 233:2008	Cert no. 1509129