

Battery charger: BC 2420

Type of Charger: Switch mode.

Charger with temperature controlled charging

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 3 A	
Calix connector system	230 V / 16 A	
2. Electrical output		
System voltage	24 VDC	
Charging voltage	28,8 V / 27,6 V	High / low charging phase
Max charging current	20 A	
Charging current according to EN 60335-2-29	20 A	
Consumption from battery	< 1 mA	
Recommended battery capacity	30-300Ah	At normal use in vehicle, 100% discharge. 50% discharge 300Ah. 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	0,3 V/10°C @ 25°C
Secondary wire harnesses	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	1,6 kg	
Length secondary cables	1500mm	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
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