

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			
Usage temperature	-25°C to +40°C	Battery charging range	
Charger operating temperature	-40°C to +55°C	Reduced charging 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		
7. Certification			
Electrical safety	EN 60 335-1:2012+A11+A13+A14+A2 EN 60 335-2-29:2004+A2+A11		
EMC-emission/Immunity	EN 62 233:2008		
8. Doc. change record			
Date	Change description	Sign	Rev