

SINGLE PHASE CHARGER PERFORMANCES

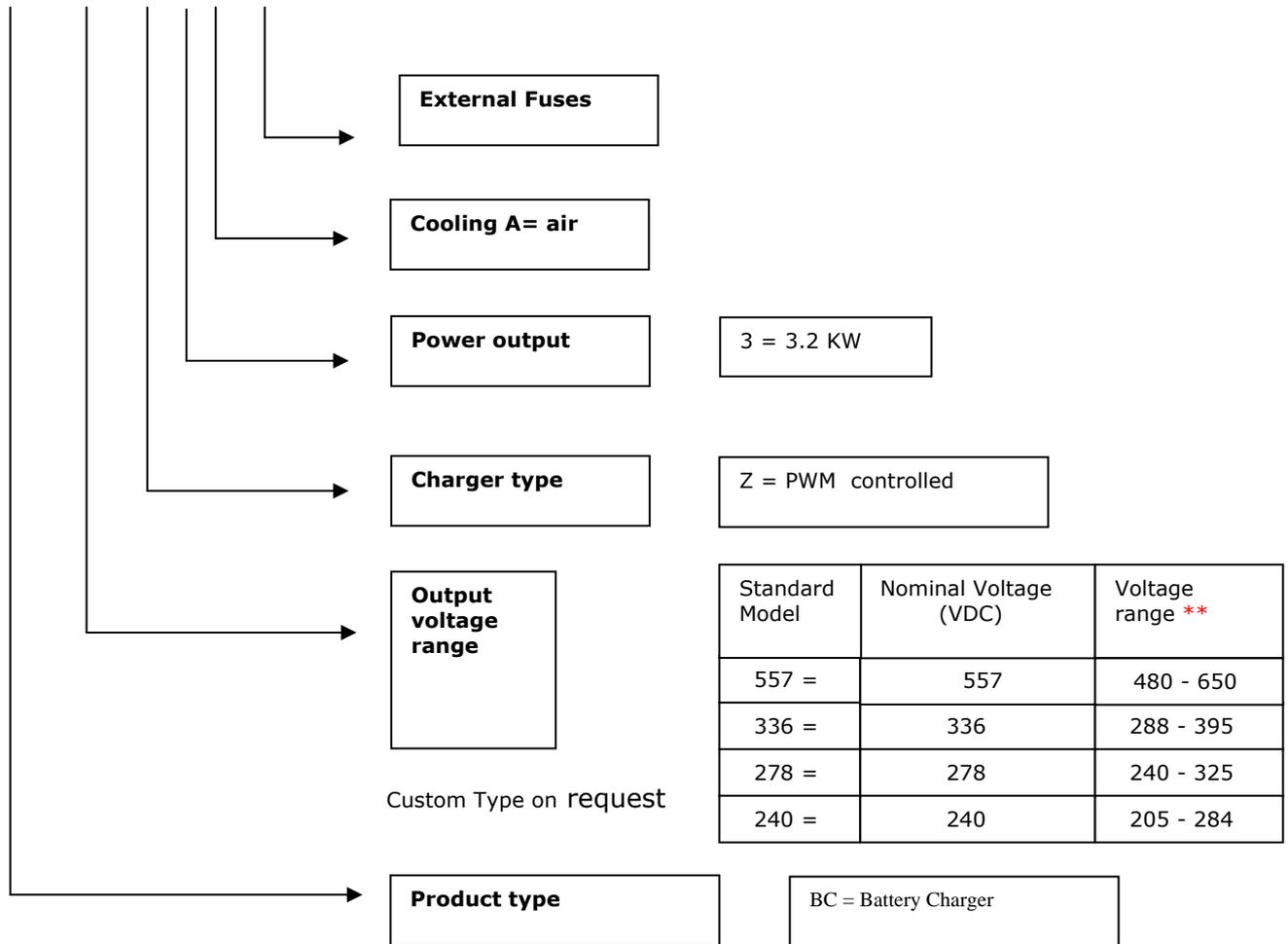


MECHANICAL AND ELECTRICAL CHARACTERISTICS		
BATTERY CHARGERS TYPE	BC240 – BC278 – BC336 – BC557	
INPUT		
Voltage range	110-253V AC	
Frequency	47-63Hz	
RFI	EN 55014	
Fusing	Bussmann type ABC-20 (UFG632320) 6.3x32 20A/250V (2x)	
Input current	Limited TO 15.5A	
SAFETY		
Module heatsink	Must be connected to safety ground	
Applicable standard	EN 61851-1 / EN 61851-21	
OUTPUT		
Power	3200 W Maximum, depending on input voltage	
RFI	DC-FILTER	
Fusing	Busmann FWC 20A-10F 10x38 20A 600V (2X)	
CONTROL INTERFACE		
PWM Power control signal	Active high control signal with Pulse Width modulation	
PWM signal frequency	0,3 ÷ 1kHz	
PWM signal voltage range (high-level)	8-30 Vpp	
PWM signal modulation (See manual for detailed relation between PWM value and Out power)	0% PWM AND 100%	Power OFF
	<10% PWM	Power MIN 32W
	95% PWM	Power MAX, 3200W at 230V input
Over-temperature	INTERNAL SHUT DOWN	
Evacuated air flow	> 90 m ³ /h @ 0 Pa	
GENERAL SPECIFICATIONS		
Temperature at heatsink	-10.....+65°C	
Cooling	Fan, mounted on the heat sink	
Ambient temperature	+40°C MAX	
Thermal shutdown	Active when the internal temperature exceeding the maximum value	
Efficiency	>94% @ full load	
INSULATION TEST ON 100% OF UNITS		
Input to earth	1500 V _{AC} max limit 45mA	
Output to earth	1750 V _{AC} max limit 45mA	
Output to interface	1750 V _{AC} max limit 45mA	
Input to output	1750 V _{AC} max limit 45mA	

Available types

The following summary lists the types available with their ordering designations:

BC-278-Z-3-A-EF



**** Important:**

by "Voltage range", we mean the approximate nominal operative range, with the purpose of selecting the type of charger which is most suitable for the intended use. Each charger is provided with a protection circuit inside, so as to prevent damages when disconnecting from the battery.

Such voltage value is fixed and is not in any case to be intended as a protection system for the battery in case of failure.

Please be so kind to contact MES sa as for the details connected to such parameters.

MECHANICAL DESIGN

Size (w x h x d mm)

169 x 136 x 355

Weight

7 Kg

Input connectors

AMPHENOL 5440 MDA203F 3X25A

Output connectors

FCI DCSHHPE02BKSV

Protection class

IP55

