

# PM-DCB BATTERY CHARGERS

## SOME MODELS WITH DIGITAL DISPLAY

- 3 LED display on Models with 'D'
- Short circuit protection
- Reversed polarity protection – if polarity is reversed the 'crowbar circuit' will activate to protect the battery charger from further damage – **Reverse polarity is not covered under the warranty**

- Automatic multi-rate charging function
- Temperature protection
- Over charge protection
- Charging curve selection
- High efficiency & frequency design
- Charge for lead acid battery
- Overload protection

PM-DBC-0212F / PM-DBC-0612F / PM-DBC-0424F



PM-DBC-1136D / PM-DBC-0748DF



PM-DBC-1012DF / PM-DBC-0724DF



PM-DBC-4512D / PM-DBC-2324D / PM-DBC-1148D



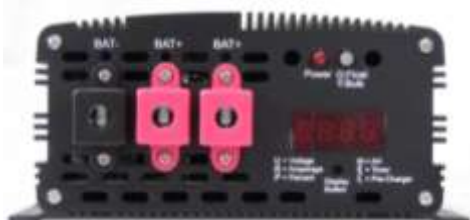
PM-DBC-1224D



PM-DBC-4524D / PM-DBC-2248D



PM-DBC-2512D / PM-DBC-0748DF



# TECHNICAL SPECIFICATIONS

MODEL		12V VERSION					24V VERSION					
		PM-DBC-0212F	PM-DBC-0612F	PM-DBC-1012DF	PM-DBC-2512D	PM-DBC-4512D	PM-DBC-0424F	PM-DBC-0724DF	PM-DBC-1224D	PM-DBC-2324D	PM-DBC-4524D	
		F = Full input voltage range 90VAC – 240VAC					D = Digital Display					
OUTPUT	Voltage	12V					24V					
	Current	2A	6A	10A	25A	45A	4A	7A	12A	23A	45A	
	Equaliser	14.4V +/- 0.1V					28.8V +/- 0.2V					
	Float Charge	13.6V +/- 0.1V					27.2V +/- 0.2V					
	Efficiency	>87 (at full load)										
INPUT	Voltage	220V										
	Frequency	47 – 63 Hz										
PROTECTION	Battery Reverse	Yes										
	Short Circuit	Yes										
	Overload	Yes										
	Temperature	Yes, when temp. around 65°C - 75°C, will stop charging except for 0212F & 0612F					Yes, when temp. around 65°C - 75°C, will stop charging except for 0424F					
	Cooling fan	Fans are controlled by floating voltage (Fans are controlled by temperature (45 °C) for 0212F & 0612F)					Fans are controlled by floating voltage (Fans are controlled by temperature (45 °C) for 0424F)					
INDICATORS	LED	3 LEDs : Red (power) / Green (float charge) / Orange (equalizer charge)										
	LED Display	Yes (except for 0212F & 0612F)					Yes (except for 0424F)					
	Current Meter	Yes (except for 0212F & 0612F)					Yes (except for 0612F)					
MECHANICAL	Dimensions (mm)	51x81 x152	51x81 x152	54x114 x172	79x170 x196	110x229 x335	51x81 x152	54x114 x172	79x170 x196	110x229 x335	85x356 x479	
	Weight (kg)	0.8	0.8	1.0	2.0	4.1	0.8	1.0	2.0	4.1	8.5	
O/P Wires or Terminal		Microphone connector or alligator clips			Terminal			Microphone connector or alligator clips			Terminal	

MODEL		36V VERSION		48V VERSION			
		PM-DBC-1136D	PM-DBC-0748DF	PM-DBC-1148D	PM-DBC-2248D		
		F = Full input voltage range 90VAC – 240VAC		D = Digital Display			
OUTPUT	Voltage	36V		48V			
	Current	11A	7A	11A	22A		
	Equalizer Charge	43.2V +/- 0.2V		57.6 +/- 0.1V			
	Float Charge	40.8V +/- 0.2V		54.4V +/- 0.1V			
	Efficiency	>87% (at full load)					
INPUT	Voltage	220V					
	Frequency	47 – 63Hz					
PROTECTION	Battery Reverse	Yes					
	Short Circuit	Yes					
	Overload	Yes					
	Temperature	Yes					
	Cooling Fan	Fans are controlled by float voltage					
INDICATORS	LEDs	3 LEDs : Red (power) / Green (float charge) / Orange (equalizer charge)					
	LED Display	Yes					
	Current Meter	Yes					
MECHANICAL	Dimensions (mm)	79x170x251	79x170x196	48.5x51x22	85x356x479		
	Weight (kg)	2.5	2.0	9.6	8.5		
O/P Wires or Terminal		Terminal		Alligator Clips		Terminal	

