

POWERMATER DIGITAL BATTERY CHARGER

12V & 24V

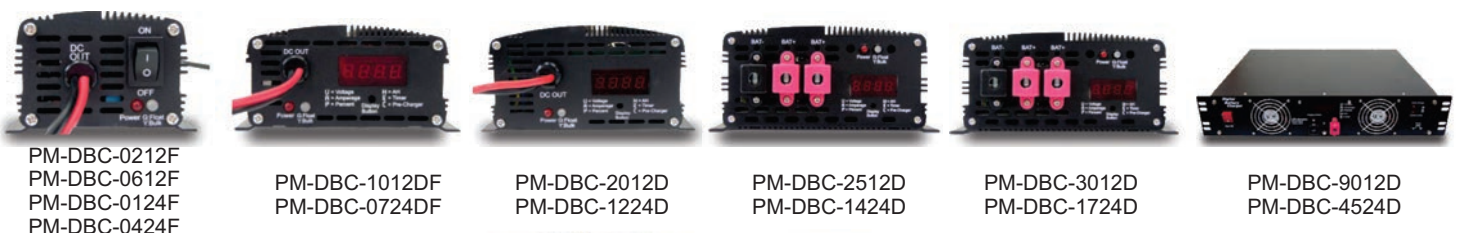
- 3 LED Display
- Short-circuit Protection
- Overload protection
- Reverse polarity or short circuit will activate a protection circuit. The protection circuit or charger unit can still be damaged if the fault condition is frequently repeated. Reverse polarity and short circuit is not covered under the warranty.
- Automatic multi-rate charging function
- Over load current protection
- Fans are controlled by floating voltage (with 2Amp (12Vdc), 6Amp (12Vdc), 1Amp (24Vdc) and 4Amp (24Vdc), cooling fans are controlled by temperature - 45 °C).
- Temperature protection
- Over charge protection
- Charging curve selection
- High frequency and high efficiency design
- Charger for Lead-Acid Batteries



PM-DBC-4512D
PM-DBC-2324D

Model	PM-DBC-0212F	PM-DBC-0612F	PM-DBC-1012DF	PM-DBC-2012D	PM-DBC-2512D	PM-DBC-3012D	PM-DBC-4512D	PM-DBC-9012D
OUTPUT								
Voltage	12V							
Current	2A	6A	10A	20A	25A	30A	45A	90A
Equalizer Charge	14.4V +/-0.1V					14.4V +/-0.2V	14.4V +/-0.1V	
Float Charge	13.6+/-0.1V					13.6V +/-0.2V	13.6+/-0.1V	
Efficiency	>87% (at full load)							
INPUT								
Voltage	110V or 220V (110V & 220V 0212F, 0612F, 1012DF)							
Frequency	47 ~ 63 Hz							
PROTECTION								
Battery Reverse	YES							
Short Circuit	YES							
Overload	YES							
Temperature	Charger stops when temperature reaches 70°C ± 5°C (except for 0212F, 0612F)							
Cooling Fan	Fans are controlled by floating voltage (Fans are controlled by temperature (45°C) for 0212F, 0612F)							
INDICATORS								
LED	3LED Display: Red (power), green (floating charge), orange (equalizer group)							
LCD	YES (except for 0212F, 0612F)							
Current Meter	YES (except for 0212F, 0612F)							
SIZE								
Dimensions (LxWxH)	152x81x 51mm	152x81x 51mm	172x114x 54mm	192x131x 65mm	196x170x 79mm	251x170x 79mm	335x229 110mm	479x356x 85mm
Weight	0.8kg	0.8kg	1kg	1.5kg	2kg	2.5kg	4.1kg	8.5kg
O/P Wires or Terminal	2A~25A: Alligator Clips. Other models: Terminal							

FRONT VIEW



BACK VIEW

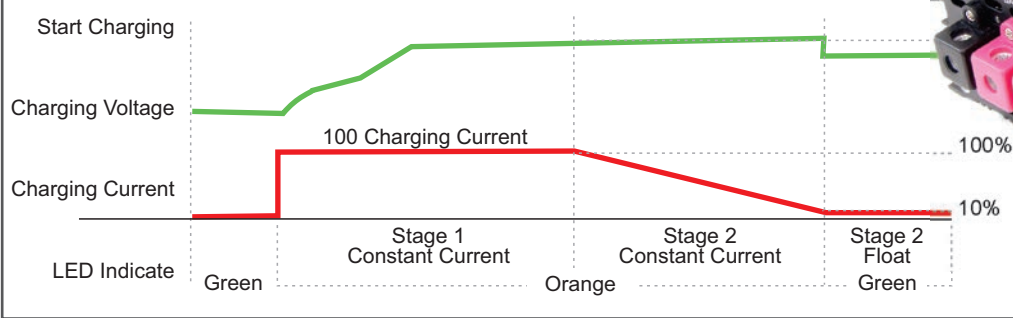
POWERMASTER DIGITAL BATTERY CHARGER

12V & 24V



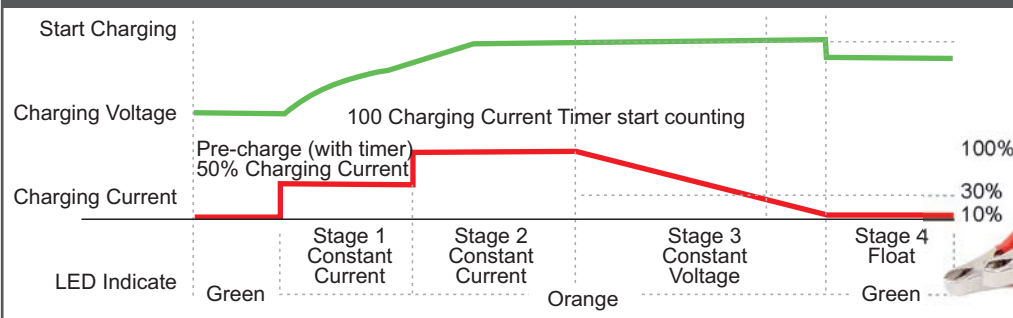
PM-DBC-2512D
PM-DBC-1424D

(WITHOUT TIMER & PRE-CHARGE) CHARGING CURVE



Model	PM-DBC-0124F	PM-DBC-0424F	PM-DBC-0724DF	PM-DBC-1224D	PM-DBC-1424D	PM-DBC-1724D	PM-DBC-2324D	PM-DBC-4524D	
OUTPUT									
Voltage	24V								
Current	1A	4A	7A	12A	14A	17A	23A	45A	
Equalizer Charge	28.8V +/-0.2V							28.8V +/-0.1V	28.8V +/-0.1V
Float Charge	27.2V +/-0.2V							27.2V +/-0.1V	27.2V +/-0.1V
Efficiency	>87% (at full load)								
INPUT									
Voltage	110V or 220V (110V & 220V 0124F, 0424F, 0724DF)								
Frequency	47 ~ 63 Hz								
PROTECTION									
Battery Reverse	YES								
Short Circuit	YES								
Overload	YES								
Temperature	Charger stops when temperature reaches 70°C ± 5°C (except for 0124F, 0424F)								
Cooling Fan	Fans are controlled by floating voltage (Fans are controlled by temperature (45°C) for 0124F, 0424F)								
INDICATORS									
LED	3LED Display: Red (power), green (floating charge), orange (equalizer group)								
LCD	YES (except for 0124F, 0424F)								
Current Meter	YES (except for 0124F, 0424F)								
SIZE									
Dimensions	152x81x	152x81x	172x114x	196x170x	196x170x	251x170x	N/A	N/A	
(LxWxH)	51mm	51mm	54mm	79mm	79mm	79mm	N/A	N/A	
Weight	0.8kg	0.8kg	1kg	2kg	2kg	2.5kg	N/A	N/A	
O/P Wires or Terminal	1A~12A: Alligator Clips. Other models: Terminal								

(WITH TIMER & PRE-CHARGE) CHARGING CURVE



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

