

POWERMATER DIGITAL BATTERY CHARGER

36V & 48V

- 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-1536D
PM-DBC-1148D

Model	PM-DBC-0436F	PM-DBC-0836D	PM-DBC-0936D	PM-DBC-1136D	PM-DBC-1536D	PM-DBC-3030D
OUTPUT						
Voltage	36V					
Current	4A	8A	9A	11A	15A	30A
Equalizer Charge	43.2V +/-0.1V			43.2V +/-0.2V	43.2V +/-0.1V	
Float Charge	40.8V +/-0.1V			40.8V +/-0.2V	40.8V +/-0.1V	
Efficiency	>87% (at full load)					
INPUT						
Voltage	110V & 220V	(110V or 220V)				
Frequency	47 ~ 63 Hz					
PROTECTION						
Battery Reverse	YES					
Short Circuit	YES					
Overload	YES					
Temperature	YES					
Cooling Fan	Fans are controlled by floating voltage					
INDICATORS						
LED	3LED Display: Red (power), green (floating charge), orange (equalizer group)					
LCD	YES					
Current Meter	YES					
SIZE						
Dimensions (LxWxH)	172x114x54mm	192x131x65mm	196x170x79mm	251x170x79mm	220x51x485mm	479x356x85mm
Weight	1kg	1.5kg	2kg	2.5kg	9.6kg	8.5kg
O/P Wires or Terminal	4A~9A: Alligator Clips. Other models: Terminal					

FRONT VIEW



PM-DBC-0124F
PM-DBC-0424F

PM-DBC-0436DF
PM-DBC-0348DF

PM-DBC-0836D
PM-DBC-0648D

PM-DBC-0936D
PM-DBC-0748D

PM-DBC-1136D
PM-DBC-0848D

PM-DBC-3036D
PM-DBC-2248D



BACK VIEW

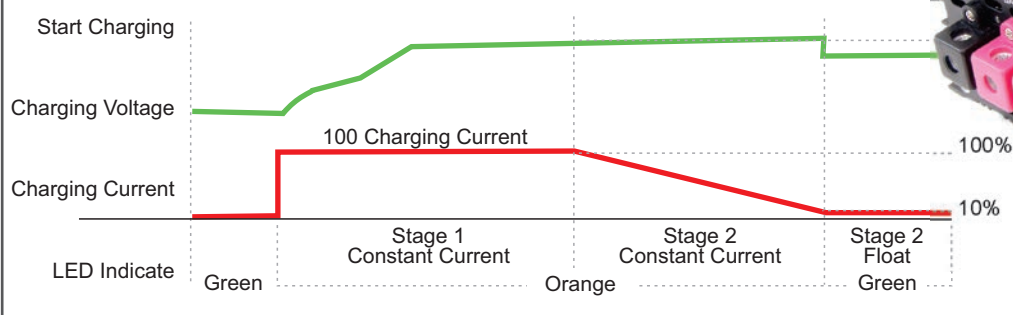
POWERMASTER DIGITAL BATTERY CHARGER

36V & 48V



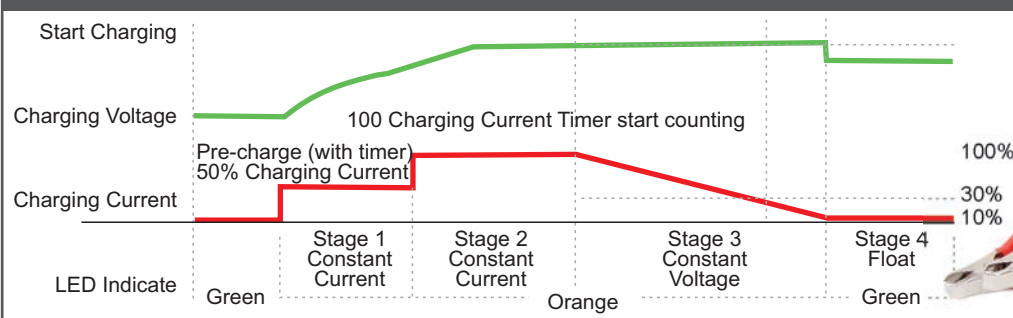
PM-DBC-0936D
PM-DBC-0748D

(WITHOUT TIMER & PRE-CHARGE) CHARGING CURVE



Model	PM-DBC-0348DF	PM-DBC-0648F	PM-DBC-0748DF	PM-DBC-0848D	PM-DBC-1148D	PM-DBC-2248D
OUTPUT						
Voltage	48V					
Current	3A	6A	7A	8A	11A	22A
Equalizer Charge	57.6V +/-0.1V			57.6V +/-0.2V	57.6V +/-0.1V	
Float Charge	54.4V +/-0.1V			54.4V +/-0.2V	54.4V +/-0.1V	
Efficiency	>87% (at full load)					
INPUT						
Voltage	110V & 220V		(110V or 220V)			
Frequency	47 ~ 63 Hz					
PROTECTION						
Battery Reverse	YES					
Short Circuit	YES					
Overload	YES					
Temperature	YES					
Cooling Fan	Fans are controlled by floating voltage					
INDICATORS						
LED	3LED Display: Red (power), green (floating charge), orange (equalizer group)					
LCD	YES					
Current Meter	YES					
SIZE						
Dimensions (LxWxH)	172x114x54mm	192x131x65mm	196x170x79mm	251x170x79mm	220x51x485mm	479x356x85mm
Weight	1kg	1.5kg	2kg	2.5kg	9.6kg	8.5kg
O/P Wires or Terminal	3A~7A: Alligator Clips. Other models: Terminal					

(WITH TIMER & PRE-CHARGE) CHARGING CURVE



PM-DBC-0436DF
PM-DBC-0348DF

