

MELTEM Series

Meltem Series Technical Specifications

1 - 6 kW SMPS Battery Charger



MODEL	MELTEM 1024-50	MELTEM 3024-100	MELTEM 3048-60	MELTEM 3110-20	MELTEM 3110-60	MELTEM 3110-100
INPUT						
Number of Phases	1	3				
Voltage	230VAC	400 VAC				
Voltage Tolerance	± 10%					
Frequency	50Hz (Optional 60 Hz)					
Frequency Tolerance	5%					
Power Factor	0,7	0,8				
OUTPUT						
Current (A)	50	100	60	20	60	100
Voltage (V)	24		48	110		
Voltage Tolerance	± 2%					
Ripple	± 2 Vdc					
Current Limiting	Available					
GENERAL						
Control	DSP (Digital Signal Processor)					
Indications	Battery capacity, output current level LEDs, operation, fast charge and alarm LEDs					
Enclosure	Electro-plated sheet box					
Electrical Connection	Screw terminals at the input and output					
Protections	Output voltage high and low, output current limiting					
ENVIRONMENTAL						
Operating Temperature	0-45 °C					
Storage Temperature	-25~+55 °C					
Humidity	0-90% (non condensing)					
Protection Level	IP21 (optinal IP22)					
PHYSICAL						
Dimensions (WXDXH) (mm)	320x250x480				460x250x720	
Weight	26	28	30	45	50	
STANDARDS						
Standards	TS EN 61204 (LVD), TS EN 61204-3 (EMC)					

*Other powers and double output models can be manufactured per request.

BATTERY CHARGING RECTIFIERS

MELTEM Series rectifiers equipped with the latest technology, securely provides battery charge and energy for the direct current operating equipments.

General usage areas are marine applications, land and marine transportation vehicles, telecommunication centers, high voltage fields and industrial facilities. Additionally they can be used securely for all other battery charging applications.

MELTEM Series rectifiers use high frequency techniques. Thanks to DSP (Digital Signal Processor) controls of the system they are small, light and user-friendly. DSP manages all the functions, the thing you have to do is switching the equipment on.

GENERAL SPECIFICATIONS

- MELTEM Series battery chargers to be used in limited places as in your boats are small and eight weight due to the high resonance technology.
- IGBT power circuit determines the efficiency of 90 % It does not warm the environment. Power consumption and costs are low. PFC circuit at the input prevents the harmonics and reactive power drawing from the utility. It does not affect your utility and it is environment friendly.
- MELTEM Series are controlled by the DSP (Digital Signal Processor). DSP extend battery life by applying intelligent charge method. Another battery friend fact is less output ripple than the transformer rectifiers.
- Another superiority of MELTEM Series is supply of the loads as a DC power supply although no battery existence in the circuit.
- Equipment is suitable for all types of loads, and not damaged even in short circuit case. It protects itself and the load in all conditions.
- All the components inside it are designed for marine conditions. It does not break your way.