

Marine Series

Thyristor Controlled Marine Type Battery Charger
Single Phase 12V-24V-36V-48V-110V-220V, 5A-100A
Three Phase 12V-24V-48V-110V-220V, 50A-1000A



- Energy Saving System
- High Efficiency
- Low Ripple
- Modular Design
- Silent Running
- Minimum Maintenance
- Nature-Friendly Technology
- Charging System For Extend The Life Battery
- Power Supply And Battery Charger

Uses:

- Ships and yachts
- Electric Cars
- Car Services
- Battery Powered Toys
- Transformer Centers
- Garages
- Telecommunication Systems
- Ups Systems

MAINS INPUT			
Input Voltage	220/230 VAC - 380 VAC / 400 VAC (Special Design to Prepare)		
Voltage Tolerance	± 10%		
Input Frequency	50-60 Hz		
Protection	Thermal - Magnetic & W. Insurance		
Power Factor	> 0.8		
RECTIFIER OUTPUT			
Output Voltage	6 VDC / 24 VDC / 48 VDC / 110 VDC / 220 VDC / 400 VDC (Special Design to Prepare)		
Charge Voltage Setting	100% Digital Adjustable		
Quick Charger Voltage	Nominal of Charge Voltage 100% - 120% Between Digital Adjustable		
Static Tolerance	1%		
Output Current Setting	0-100% Between Digital Adjustable		
Output Ripple	Low Output Voltage Than 5 (Rms Ac) (1% Optional)		
Output Protection (Standard)	Over Current / High Heat / Short Circuit / High Voltage		
Output Protection (Optional)	Dc Leakage / Dc High / Dc Low / Touch Screen		
CONTROL PANEL			
Measurements	Lcd Screen / Display Voltage and Current Display Time (Touch Screen Optional)		
Warning Light	Quick Charge / Normal Charge / Flux Control / Volt Control / Rectifier Activated		
Method of Charging	Quick Charge Buffer (or Desired Charging System)		
Power Supply	0-100 Adjustable Voltage and Current Control (Optional)		
Button	Touch Screen Program Keys		
GENERAL			
Quick Charging Time	Digital Adjustable		
Cooling	With Internal Fan		
Isolation Voltage	3750 Vac Output - Output Terminal		
Efficiency	95% at Full Load		
Input / Output Connections	Screwed Introduction - Output Terminal		
Circuit Breaker	For Introduction and Battery 2 pcs 2 pole Thermal Magnetic or W- Auto Insurance (Load Insurance Optional)		
Operating Technique	Thyristor Technology		
Protection Class / Color	IP 20 (IP 32 Optional) - RAL 7032		
WARNING CONTACTS			
Audible Warning	Fail Audible Warning (Optional)		
Rectifier Error	High DC/DC Low / Out Fail / Excessive Heat / Mains Off Output Short Circuit (Optional)		
Battery Low	Battery Deep Discharge Protection (Optional)		
ENVIRONMENTAL			
Operating Temperature	-20°C / 70°C		
Relative Humidity	90%		
Acoustic Level	<60dB (1m)		
Work Height	<2000m		
Electrical Standards	TSE HYB - LVD - EN 62040-1 - 1 (Safety Rules) - EMC		
DIMENSIONS			
	Height	Depth	Width
Mono-Phase	29 / 34 / 40	25,5 / 28 / 32	37 / 40 / 45
Three-Phase	58 / 67 / 78	50 / 53 / 58	39 / 39 / 44

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