

## Series

12/24/36/48/110/220VDC: 10A-500A

3 PHASE 1 PHASE

SWITCH MODE (HF) BATTERY CHARGER

### Usage Areas

- Vessels and Yachts
- Shipyards
- Rail Systems
- Hydroelectric Power Plants
- Solar Power Plants
- Automobile Services
- Electrical Services Mining Industry
- Highway and Tunnel Systems
- Petroleum and Natural Gas Industry



### Highlights

- DC+/- Ground Leakage Protection
- Modbus RTU Communication
- Individual Outputs for Battery and Load
- Deep Discharge Protection (LVD)
- Output Dropper Diode
- Additional Battery Fuse
- Temperature Comp. Battery Charge Voltage
- Power Fault Detection Dry Contact
- Battery Management Test
- Rackmounted chassis/Integrated Battery Racks
- Input Isolation Transformer / 6 Pulse Structure
- Dry Contact
- Switch Mode Technology
- Voltage Controlled Automatic Charging
- Can Be Used as DC Power Supply
- 1 Phase & 3 Phase Wide Power Range
- High Efficiency and Reliability
- Electronic Protections
- Up to %30 Energy Saving
- Feedback Protection
- Marine Filter System
- Parallel Operation and Power Sharing
- Multiple Selectable Input Options
- Leak Detection (Optional)

### New Generation Switch Mode Charging Rectifiers

- Seapower Switch Mode Charging Rectifiers are designed with the state of the art technology for charging batteries and DC energy needs of devices supplied by direct current.
- Batteries would be charged much safer with the improved software and special charging program. Non-complex structure, easy maintenance properties, user friendly program and other superior features will meet all requirements.
- The most important feature of the device is it can be used as supply source as well as a battery charger. Besides low ripple factor increases the battery life. It's an ideal solution for where device weight and dimensions are problem.

## TECHNICAL SPECIFICATIONS

		10A-500A	
<b>INPUT</b>			
Phase	3 Phase	1 Phase	
Input Voltage	230/380/400/440 VAC	110/220/230/240 VAC	
Input Voltage Tolerance	±10%		
Input Frequency	50 - 60 Hz		
Power Factor	0.98		
THD	<%10		
<b>OUTPUT</b>			
Output Current	10A - 500A		
Output Voltage	12 - 24 - 36 - 48 - 110 - 220 VDC		
Ripple	≤1 Ripple		
<b>GENERAL</b>			
Cooling	Air Cooling		
Isolation Voltage	1500 VAC Input / Chassis Bridge, 500 VAC Output / Chassis Bridge, 500 VAC Between Input and Output		
Insulation Class	IP 20 (IP Optional)		
Efficiency	90%		
Operating Temperature	-20/50°C		
Operating	Ability to set Charge Mode for all Battery Types		
Input / Output Connections	Serial Connector - W Otomation		
<b>PROTECTION</b>			
Heat Protection	Input / Output Overtemperature Protection		
Measure	Output Overcurrent Protection - DC High Low - DC Leakage - Mains Failure		
<b>TECHNOLOGY</b>			
IGBT	Switch Mode Technology		
Standard	ISO 9001 - LVD - EN 62040 -1 - EMC		
<b>INDICATORS</b>			
LCD Panel	2 x 16 - 4 x 16 Line		
PLC	S71200 - S7300		
Otomation	Modbus / Profibus / ProfiNET / RS 232 / RS 485		
<b>DIMENSION &amp; WEIGHT</b>			
Cabinet Dimensions (mm)	Width Depth Height	Contact us for dimensions.	

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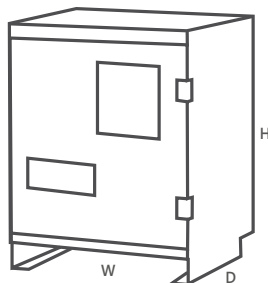
### Diemensions

POWER	STOK CODE	W (mm)	D (mm)	H (mm)
24V - 10A	SMTCs0240010	241	133	327
24V - 15A	SMTCs0240015	241	133	327
24V - 20A	SMTCs0240020	241	133	327
24V - 30A	SMTCs0240030	241	133	327
24V - 40A	SMTCs0240040	241	206	350
24V - 50A	SMTCs0240050	241	206	350
24V - 60A	SMTCs0240060	290	330	420
24V - 75A	SMTCs0240075	290	330	420
24V - 80A	SMTCs0240080	290	330	420
24V - 100A	SMTCs0240100	290	330	420
24V - 120A	SMTCs0240120	290	330	420

\* Please request dimensions for over 120A and output requests except than 24VDC.

\* Please contact for the stock numbers in the voltage and current range other than 24VDC.

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### Options

- DC ± Ground Leakage Protection
- Modbus RTU Communication
- Individual Outputs for Battery and Load
- Deep Discharge Protection (LVD)
- Output Dropper Diode
- Additional Battery Fuse
- Temperature Comp. Battery Charge Voltage
- Power Fault Detection Dry Contact
- Battery Management, Test
- Rackmounted Chassis/Integrated Battery Racks / (IP31/IP42/IP54/IP65)
- Input Isolation Transformer / 6 Pulse Structure
- Dry Contact