

Float Charger

SMC Series



- For Battery Backup Systems, e.g. in Power Plants
- 110V or 220V DC Output Voltage
- Maintains a Constant Charge State of the Battery Bank
- Fast Recharge of Backup Batteries after Power Failures
- Highly Efficient Switched-Mode Technology
- Modular Design for Ease of Service
- Output Voltage Suits All Kinds of Power Substations
- Interface for Supervising Control Systems
- Short Circuit Protection
- Overvoltage/Overcurrent Protection with Alarm Function
- Compact Design with Front-to-Back Cooling Requires Less Floor Space

General Data

Input Power Supply:	380 V ± 15%, 50 Hz ± 10%
DC Output Voltage:	220 V, 110 V
Module Current:	10 A, 20 A, 30 A, 40 A
Switching Frequency:	20 - 300 kHz
Voltage/Current Regulation Accuracy:	± 0.5%
Efficiency:	≥ 90%
Differential Current Magnitude:	± 3% Among Different Modules
Air-Cooling:	Front-to-Back
Noise:	< 50 dB
Operating Environment Latitude:	≤ 2000 m
Max./Min. Ambient Temperature:	50 °C / -25 °C
Humidity:	90%
Earthquake Peak Acceleration:	0.1 g
Anti-Earthquake Magnitude:	7
Dust Proofing:	III
Remote Control:	RS232 / RS485 Interface



Individual Technical Data

Model Designation	Output Current [A]	Output Voltage [V]	No. of 20A Modules	Power [kVA]	Dimension (HxWxD) [mm]
SMC 80/220	0-80	185-285	4	19.4	2260 x 800 x 600
SMC 100/220	0-100	185-285	5	24.2	2260 x 800 x 600
SMC 120/220	0-120	185-285	6	29	2260 x 800 x 600
SMC 140/220	0-140	185-285	7	33.8	2260 x 800 x 600
SMC 160/220	0-160	185-285	8	38.7	2260 x 800 x 600
SMC 200/220	0-200	185-285	10	48.4	2260 x 800 x 600
SMC 240/220	0-240	185-285	12	58	2260 x 800 x 600
SMC 300/220	0-300	185-285	15	73	2260 x 800 x 600

Also available with 110 VDC output.

Options

Datalogger for individual cell monitoring.

DC system insulation tester for testing the status of DC system's insulation to ground which includes DC power bus, battery circuit, individual power modules, and distribution circuit.

AC, DC distribution panel.



Aachen, Germany
 ☎ +49 241 168 090
 ☎ +49 241 166 465
 ✉ info@digatron.de
 🌐 www.digatron.de

Shelton, (CT), USA
 ☎ +1 203 446 8000
 ☎ +1 203 446 8015
 ✉ info@firing-circuits.com
 🌐 www.firing-circuits.com

Qingdao, China
 ☎ +86 532 8870 5292
 ☎ +86 532 8870 5259
 ✉ info@digatron.com.cn
 🌐 www.digatron.com/cn