

SMR Series

Battery Charger 12-240V

The Thytec constant potential Battery Charger is a switch mode rectifier (SMR) type, currently the most advanced battery charging system available.

Designed and made in Australia, by one of the leading Australian power manufacturing companies. The highly reliable, efficient and rugged design is suited to industries such as oil and gas, power stations, rail and water supply facilities. Available in sizes from 1kW to 10kW.

Providing a reliable source of quality DC power combined with remote communication options that are available, make the SMR series suitable for most industrial applications.



Key features and benefits

- Designed and manufactured in Australia, by a company with 35 years experience in DC power systems
- Reliable and flexible design
- Complies with Australia standards
- Intelligent remote monitoring and control
- Pre-configured software
- Compatible with VRLA, Gel and Lithium-Ion batteries
- Optional distribution panel and IP54 cabinet



Technical Specification

| MODEL | | 1000W | 1500W | 2400W | 5KW | 10KW |
|--------------------------------|--|----------|------------|----------|---------------|----------|
| FLOAT | | | | | | |
| | 24V | 27V@37A | 27V@56A | 27V@80A | | |
| | 48V | 54V@18A | 54V@27A | 54V@40A | | |
| | 120V | 121V@10A | 121V@12.5A | 121V@20A | 121V@40A | 121V@80A |
| | 240V | | | | 240V@20A | 240V@41A |
| INPUT | | | | | | |
| Voltage | 240V nominal 130-264VAC | | | | 400V 3PH | 340-530V |
| Frequency | 50Hz | | | | | |
| Current | | 4.6A | 6.8A | 11A | 7.8A | 15A |
| Active Power factor correction | .95-.98 | | | | | |
| Harmonic Distortion | 3% | | | | | |
| OUTPUT | | | | | | |
| Voltage Adjustment | +/- 10% | | | | | |
| Voltage Regulation | +/- 1% | | | | | |
| Efficiency | 87-91% | | | | | |
| Noise and ripple | 200mV typical | | | | | |
| CONTROL AND MONITORING | | | | | | |
| Alarm LED status | AC Power On, Battery Normal, Charger Fail, Battery Voltage Low, Battery Voltage High, DC Earth Fault | | | | | |
| Digital Metering | Battery - Voltage, Current, Power and Load - Voltage, Current, Power | | | | | |
| Communications | Modbus, TCP/IP, SNMP | | | | | |
| Protection | Input circuit breaker, Output circuit breaker | | | | | |
| SYSTEM FEATURES | | | | | | |
| Standards | AS4044/2, AS3000, AS3100 | | | | | |
| Enclosure | 19" rack mount 4RU (177mmH) x 350mmD | | | | 177mmHx450mmD | |
| Options | Voltage free contact for all alarms, temperature monitoring, can be supplied in an IP54 enclosure | | | | | |