

SMR selectable Battery Charger 2-48V

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

Using the latest technology in battery chargers, switchmode chargers convert 240V AC power to DC power using electronic components unlike traditional battery chargers that rely on heavy transformers. This allows the charger to be lightweight and compact without sacrificing on performance.

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. 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
- Compatible with VRLA, Gel and Lithium-Ion batteries

Technical Specification

MODEL	SMR2-6V60A	SMR12-48V60A
CHARGER INPUT		
Input Voltage	230VAC / 240VAC, 1P2W	
Input Frequency	50Hz	
AC Input Connection	Supplied with 2M Power Lead 10A	Supplied with 2M Power Lead 15A
Power Factor	0.95/230V AC at full load	
Efficiency	SMR technology High efficiency	
CHARGER OUTPUT		
Charger	Constant Potential Battery Charger	
Output Current	60A (maximum)	60A (maximum)
Classification	AS 4044 Type 2	
Output Voltage (Selectable)	Selectable: 2V DC cells & 6V DC cells	Selectable: 12V DC cells, 24V DC cells, 36V DC cells & 48V DC cells
Ripple & Noise	200mVp-p	
Protection	Overload	100 ~ 112% rated output power
	Overload	Continuous constant current limiting
	Over Voltage	Protection type: shutdown o/p voltage, re-power on to recover
	Over Temp.	Shut down o/p voltage, recovers automatically after temperature goes down
OVERALL CHARACTERISTICS		
LCD Display	Digital Output; Voltage, Current & Power	
Circuit Breakers	Input & Output Circuit Breakers	
Voltage Selections	Selectable Output Voltages on front display	
Width x Depth x Height (mm)	482 x 335 x 133 19" Rack mount	
Weight (kg)	5.6kg	8kg
Working Temperature	0 – 45°C	
Humidity	20% - 90% (Non-Condensing)	
Safety Standards	UL60950-1, TUV EN60950-1	
EMC	EN55022, EN61000-3-2	
Note: Specifications subject to change without notice.		