



Switch Tripping and Closing Duty Battery Chargers

DS-394/2

Description

Our range of switch tripping and closing duty, fully automatic battery charger systems provide a reliable and robust solution for all your switch-gear tripping requirements. Utilising the latest high efficiency switch-mode technology these systems are suitable for continuous charging of all common battery types, for example sealed lead acid VRLA / AGM, Gel, flooded lead acid, Ni-Cad etc. The batteries can be supplied and integrated within the enclosures, or mounted externally on racks. Conventional or intelligent multi-stage charging profiles are utilised to ensure maximum battery life and all systems are designed for permanent connection to the batteries, maintaining them in a fully charged condition without overcharging.

General AC Input Specifications

Voltage Ranges	115, 230 Single Phase & 400V Three Phase
Frequency	50 - 60Hz

General DC Output Specification

Voltage Ranges (Nominal)	12, 24, 30, 48, 50, 110, 220 and 240 V DC
Power	20 to 20,000 Watts
Ripple & Noise	200mV pk-pk
Line Regulation	±0.5%
Load Regulation	±1%
Efficiency	>85% Typical
Overload Protection	Constant Current Limit
Over Voltage Protection	Output shutdown. Recycle power to reset.
Over Temp. Protection	Output shutdown. Self resetting.

General Environmental Specification

Working Temperature	-10°C to +45°C
Working Humidity	20% - 90% RH Non condensing

Ordering Information

Please contact us with your specific requirements.

Company background

Established since 1964, we use our wealth of knowledge and experience in the design and manufacture of both standard and custom designed battery chargers, power supplies and related monitoring and control equipment.

Jenelec's comprehensive range spans from low power component type battery chargers to one-off custom designed and fully integrated AC-DC power systems. With the ability to design and manufacture to individual customer requirements and continued research and development, we are able to offer a solution to fulfil almost any application.

Our diverse product range includes industrial battery chargers, tripping battery chargers, central battery / emergency lighting units, inverters, AC UPS, DC UPS, batteries of all types and associated monitoring, control and instrumentation systems. All products are designed and assembled in the UK to the highest standards to ensure world class quality and longevity.

Jenelec reserves the right to make changes in product specification without notice or liability. All data is considered accurate at time of going to print.

FEATURES

- High reliability and robust designs
- Fully automatic systems
- Worldwide AC input ranges
- High efficiency design
- Low output ripple
- Fully enclosed construction
- Wide range of input and output ratings
- Instrumentation and monitoring options
- Integrated or external batteries
- Wide range of battery types and run times
- Full in house consultancy, design and manufacturing service
- Customised solutions tailored to your specification

OPTIONS

- 5, 10, 12 and 20 year battery design life
- 20 to 20,000 watt, 12-240 volt DC output ratings
- N+1, N+N and dual redundant systems
- Conventional or intelligent charging topologies
- Automatic / manual boost
- Alarm and instrumentation options
- Deep discharge protection (LVD)
- Full function controllers with web / snmp monitoring



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