



**Deep Sea Electronics**

# PRODUCT GUIDE



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1-888-POWER-58

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[parts@genpowerusa.com](mailto:parts@genpowerusa.com)

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## Genuine **UK** Quality

“DSE continues to invest millions of pounds into the latest state-of-the-art design and production equipment for our bespoke manufacturing facility in North Yorkshire.

Being in complete control of the manufacturing process from design concept to finished product ensures we meet the increasing demand for our products and maintain the premium quality we have become renowned for all over the world.

**Mark Dresser**  
Production Director



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# INTELLIGENT BATTERY CHARGERS

## MULTI-STAGE INTELLIGENT CHARGING



### Configurable Voltage

DSE9470MKII 24V (12V) 10A

DSE9472MKII 24V (12V) 5A

DSE9480MKII 12V (24V) 10A

DSE9481MKII 12V (24V) 5A

### Fixed Voltage

DSE9473 24V 15A **NEW**

DSE9483 12V 15A **NEW**

DSE9476 24V 20A **R&D**

- Adjustable current limit
- Can be used as a battery charger, power supply or both at the same time
- Automatic or manual boost and storage charge functions to help maintain battery condition
- Digital microprocessor technology
- Temperature compensation for battery charging
- Low output ripple and superb line regulation
- Three LED indicators

### Full Protection

- AC input under voltage
- AC input over voltage
- Battery charger output over voltage
- Battery charger output over current
- Output short-circuit and inversion polarity with auto recovery
- Automatic power de-rating at high ambient temperatures
- Optional battery temperature compensation using PT1000 temperature sensor with over temperature protection

### Automatic Boost Mode

- Boosts and equalises cell charge improving battery performance and life

### Power Save Mode

- Once the battery is fully charged the chargers switch to ecopower to save energy

### Communication

- Can be integrated into external systems through MODBUS RTU using RS485
- Fully configurable via DSE Configuration Suite PC Software
- External remote LCD option - DSE2541

+ many more features

## HIGH POWERED



DSE9474 24V 30A

- Remote voltage sensing to compensate for voltage drop
- Adjustable current limit (Maximum 30 A)
- Can be used as a battery charger, power supply or both at the same time
- Automatic or manual boost and storage charge functions to help maintain battery condition
- Digital microprocessor technology
- Temperature compensation for battery charging
- Low output ripple and superb line regulation
- Three LED indicators
- AC input under voltage
- AC input over voltage
- Battery charger output over voltage
- Battery charger output over current
- Battery low voltage detection
- Battery temperature compensation with over temperature protection
- Output short-circuit and inversion polarity with auto recovery
- Automatic power de-rating at high ambient temperatures
- Optional battery temperature compensation using PT1000 temperature sensor

+ many more features



DSE9450 48V 50A

DSE9452 24V 50A

DSE9479 24V 100A

- Remote voltage sensing to compensate for voltage drop
- Adjustable current limit (Maximum 50 A)
- Can be used as a battery charger, power supply or both at the same time
- Additional auxiliary 12 V supply output
- Automatic or manual boost and storage charge functions to help maintain battery condition
- Digital microprocessor technology
- Temperature compensation for battery charging
- Low output ripple and superb line regulation
- Three LEDs indication

### Full Protection

- AC input under voltage
- AC input over voltage
- Battery charger output over voltage
- Battery charger output over current
- Battery low voltage detection
- Battery temperature compensation with over temperature protection
- Output short-circuit and inversion polarity with auto recovery
- Automatic power de-rating at high ambient temperatures.
- Optional battery temperature compensation using PT1000 temperature sensor

### Automatic Boost Mode

- Boosts and equalises cell charge improving battery performance and life

### Power Save Mode

- Once the battery is fully charged the chargers switch to ecopower to save energy

### Communication

- Can be integrated into external systems through MODBUS RTU using RS485 & J1939 using CANBUS

+ many more features

## ENCLOSED



DSE9460 12/24V 5A

DSE9461 12/24V 10A

- Configurable to suit most battery types (12 V/24 V)
- Adjustable current limit
- Can be used as a battery charger, power supply or both at the same time
- Automatic or manual boost and storage charge functions to help maintain battery condition
- Digital microprocessor technology
- Temperature compensation for battery charging
- Low output ripple and superb line regulation
- Available in a number of display variants (LEDs, analogue meters, LCD display)

### Full Protection

- AC input under voltage
- AC input over voltage
- Battery charger output over voltage
- Battery charger output over current
- Battery temperature compensation with over temperature protection
- Output short-circuit and inversion polarity with auto recovery
- Automatic power de-rating at high ambient temperatures
- Battery charger failure indication

### Automatic Boost Mode

- Boosts and equalises cell charge improving battery performance and life

### Power Save Mode

- Once the battery is fully charged the chargers switch to ecopower to save energy

### Communication

- Can be integrated into external systems through MODBUS RTU using RS485
- Fully configurable via DSE Configuration Suite PC Software

+ many more features

# Application

DSE modules deliver outstanding performance & reliability in the most extreme conditions.



VIBRATION



ELECTRICAL SAFETY



TEMPERATURE



ELECTRO-MAGNETIC COMPATIBILITY



HUMIDITY



SHOCK

Our high performance and reliability levels make our products suitable for a wide variety of applications including telecoms, data storage centres, mining, hospitals, military, airports, manufacturing, industry and leisure and tourism.

The following application examples show typical systems using DSE control modules.

PROVIDING OUTSTANDING  
WORLDWIDE SUPPORT TO OUR  
CUSTOMERS IS EXTREMELY  
IMPORTANT TO US.

- ✓ Providing customers and end users with fast and efficient telephone and email assistance
- ✓ Ensuring all DSE support staff and distributors deliver first class support within individual countries worldwide
- ✓ Worldwide technical support available 24/7
- ✓ Delivering superior training & support from our dedicated UK training facility to enable customers and end users to maximise their DSE product and application knowledge

## Global Coverage & Support

