



## DC power system RS

DC power system with stabilized output voltage



DC power system RS ML6000C

### Highlights

- | Stabilized output voltage
- | Hot swap technology
- | Ultra high reliability
- | Various modifications and size variants
- | Wide temperature range of operation
- | Fail-safe modular structure combined with fault-tolerant solutions

# RELIABLE. CONNECTIVE. SPECIFIC.

RS – helps connecting past technologies with the future.

### Performance

RS series presents a highly available modular DC power supply solution for telecommunications and military applications. The RS power system is developed to meet specific requirements. It helps connecting past with future technologies.

### Simplicity

Easily done. Setting up and controlling via 3 buttons beside the displays.

### Scalability

The RS DC power system can be easily scaled. A 42U cabinet contains a distribution unit and 1 to 3 power sub racks, each of which can house up to 8 ML rectifiers and 1 sub rack, which can house up to 4 DC-DC converters for output voltage stabilization.

### Intelligence

Integrated battery testing procedures and failure detection methods.

### Maintenance

Fast and safe rectifier module exchange, without any screw-drivers. The real time-saving and cost-reducing plug & play connection system.

### Monitoring and control

Communication via HTTP, SNMP. Integrated web server and IPS' global cloud monitoring.

# Technical data

## DC power system RS

<b>RS series</b>	
<b>Input (AC)</b>	
Voltage, nominal	230 V
Voltage, operating range*	70 V ... 292 V
Frequency	0 Hz ... 80 Hz
Power factor	> 0.99
<b>Output (DC)</b>	
Voltage	24 V / 48 V / 60 V / 110V
Voltage stabilization	24 V ... 360 V
Current	Up to 30000 A
Current sharing between modules	± 5% from max. current
Static voltage regulation (from 10% to 100% load)	± 0.5%
Dynamic voltage regulation (from 10% to 90% / 90% to 10% load)	± 5%
Response time	< 2 ms
<b>Other specifications</b>	
Cabinet variants	19" cabinet, up to 42U with space for batteries (optional)
Main functions and features	Recharge and maintain all types of batteries Output voltage stabilization Battery test and asymmetry control Voltage temperature compensation Digital, light and sound signaling
Protections	Protection against over-voltage and disturbances at the input Protection against overload and short circuit at the output Protection against deep battery discharge Protection against high temperature
<b>Operating conditions</b>	
Ambient temperature	-40°C ... +80°C
Operating altitude	≤ 3000 m a.s.l.

\*Power de-rating @ 70-140 VAC



Rectifier ML series



DC-DC converter MDC series

**IPS International Power Supply**