



DC power system ENERON

Highly available DC power system for industrial applications



DC power system ENERON UL240

Highlights

- | Hot swap technology
- | Ultra high reliability
- | High efficiency
- | Stabilized output voltage (optional)
- | Wide temperature range of operation
- | Fail-safe modular structure combined with fault-tolerant solutions

POWERFUL. EFFICIENT. RELIABLE.

ENERON – ultra high reliability and efficiency for industry applications.

Performance

ENERON series presents a highly available modular DC power supply solution for industry applications. Ultra high reliability. The ENERON power system is developed to meet the specific requirements in many industrial sectors, such as power generation, transmission and distribution, oil and gas extraction, automation control, maritime, railway and many more.

Scalability

The ENERON DC power system can be easily scaled. A 42U cabinet contains a distribution unit and 1 to 5 power sub racks, each of which can house up to 4 UL rectifiers.

Simplicity

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

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

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ENERON series	
Input (AC)	
Voltage, nominal	230 V (3 x 400 V)
Voltage, operating range*	70 V ... 292 V
Frequency	0 Hz ... 80 Hz
Power factor	> 0.99
Output (DC)	
Voltage	24 V ... 360 V (typically 220 V)
Voltage stabilization	Optional
Current	Up to 5000 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
Other specifications	
Cabinet variants	19" cabinet, up to 42U with space for batteries (optional)
Main functions and features	Recharge and maintain all types of batteries Battery test and asymmetry control Voltage temperature compensation Fan speed regulation (current and temperature) 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
Operating conditions	
Ambient temperature	-40°C ... +80°C
Operating altitude	≤ 3000 m a.s.l.

*Power de-rating @ 70-140 VAC



Rectifier UL series

IPS International Power Supply