

PRESS RELEASE

Uninterruptible Power Supply | DC industrial Chargers | Rectifier | May 11, 2021

Page 1 of 2

AEG Power Solutions Announces its New Generation of Industrial Switch Mode Modular DC Rectifier and Charger, Protect RCS MIPE

- With a genuine industrial design, rectifier module and system combine ruggedness and high reliability with efficiency, flexibility and simplicity of use
- Highly customizable with a fully comprehensive option list and fully flexible design

Zwanenburg, The Netherlands, May 11, 2021 – AEG Power Solutions, a global provider of AC & DC power supply systems and solutions for all types of critical and demanding applications, announced today the launch of its new generation of switch mode modular DC charger, [Protect RCS MIPE](#), based on the new MIPE rectifier modules. Edge-technology based, the rectifier and the system are combining ruggedness of design with high reliability and very high efficiency to ensure the continuity of service to critical DC loads in all types of environments. The systems are very flexible and easy to use and maintain.

Protect RCS MIPE series provide high power density in a compact design and built-in protection. AEG PS leveraged its industrial expertise to develop a rectifier module embedding the benefits and field experience of the SMi2000 rectifiers in a ruggedized and enhanced version. The MIPE rectifier is robust due to its very wide operating input voltage (100 to 275Vac). In addition, the width of the modules has been divided by 2 compared with former generation and the volume of the power core of the system was also reduced by half.

The heavy duty design ensures that the system can be located in harsh industrial environment. It operates at a high level of availability with N+1 internal redundancy of rectifier modules. The system can be easily maintained thanks to hot-swappable modules which makes it also easily scalable and power can be increased directly on site when necessary.

[Protect RCS MIPE](#) comes with low input current harmonics and high power factor, thus minimizing electromagnetic pollution and maximizing efficiency which has been improved up to 95%. The intelligent controller and idle mode operation further guarantee that the system is always operating at the highest level of efficiency. The controller runs a permanent assessment of the DC power needed by the loads and adjust modules accordingly.

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The system embeds a built-in intelligent battery management and is compatible with all industrial battery types including gas recombination, with easy parameter adjustment which can be monitored via the front panel display.

Large communication facility options and an inbuilt programmable logic control provide a wide range of interaction possibilities with external systems.

Protect RCS MIPe is a cost effective system with minimized operating costs, prepared for possible future power expansion. The system exists in pre-defined configuration to reduce lead times and is also available as a 19" battery charger subrack versions for a direct cabinet integration as ready to use solution.

System and rectifier modules can be sourced from local AEG Power Solution distributor or directly via one of the company's entities.

About AEG Power Solutions

AEG Power Solutions ensures continuous power availability and the safe operation of critical applications thanks to with a wide portfolio of power supply systems and services: AC and DC UPS, battery chargers, rectifier systems, service and maintenance on 24/7 basis, as well as fully customized UPS systems to customer specifications.

AEG Power Solutions has developed a distinctive expertise and world-class engineering capacities that bridge both AC and DC power technologies and span conventional and renewable energy platforms. AEG Power Solutions has decades of experience with UPS and power electronics, and grid integration, and is leveraging its conversion expertise to engineer and deliver solutions for energy storage applications.

AEG Power Solutions is the sole subsidiary of the holding company 3W Power.

For more information, visit www.aegps.com.

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