Premium
Powering Your Challenge

POWER SUPPLIES EQUIPMENT AND SYSTEMS

DC/DC CONVERTER
DC/AC INVERTERS
AC/DC UPS
AC/AC VARIABLE FREQUENCY DRIVES
AC/DC RECTIFIER SYSTEMS
CUSTOM MADE SOLUTIONS

#SHAPINGTHEFUTURE


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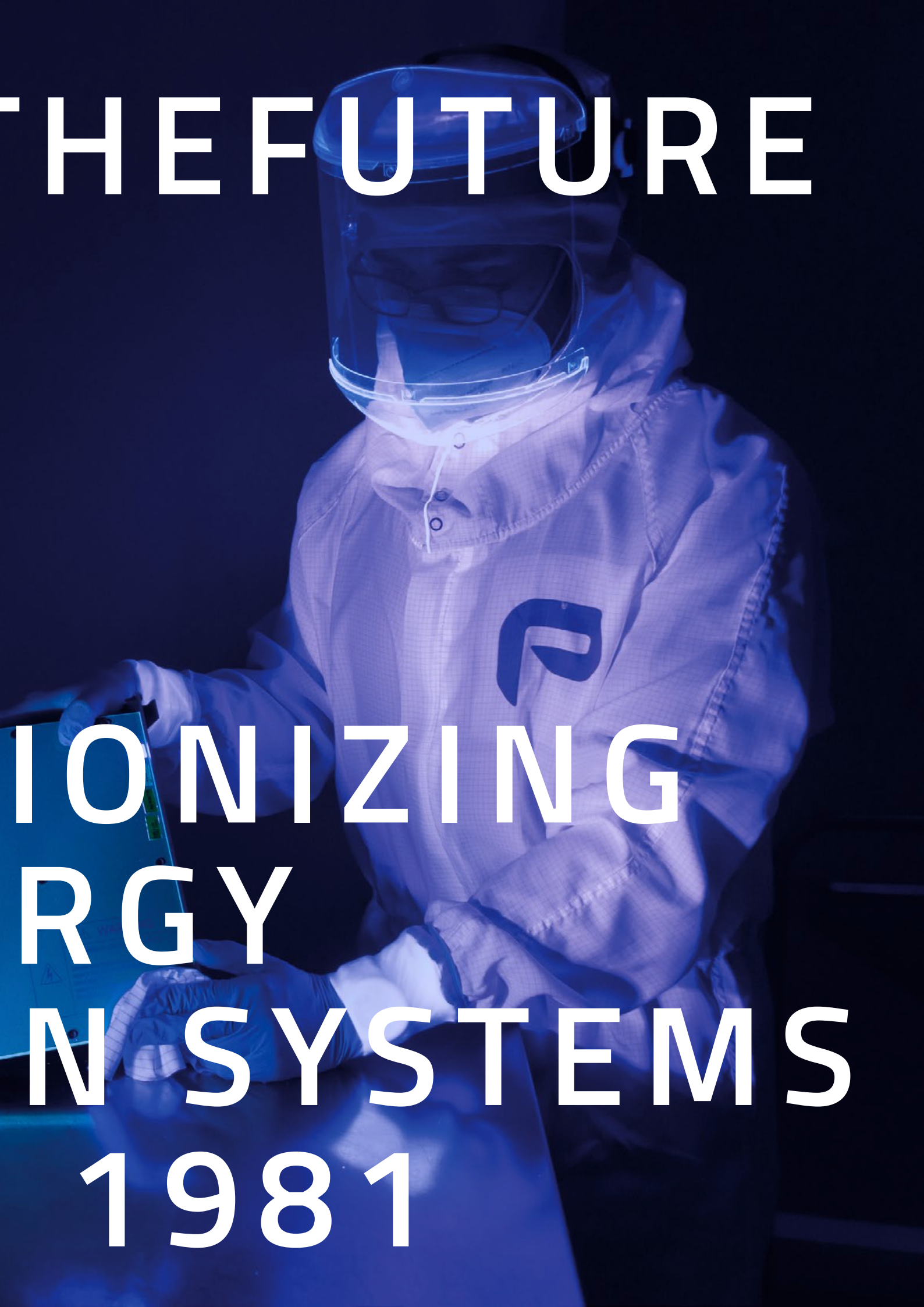
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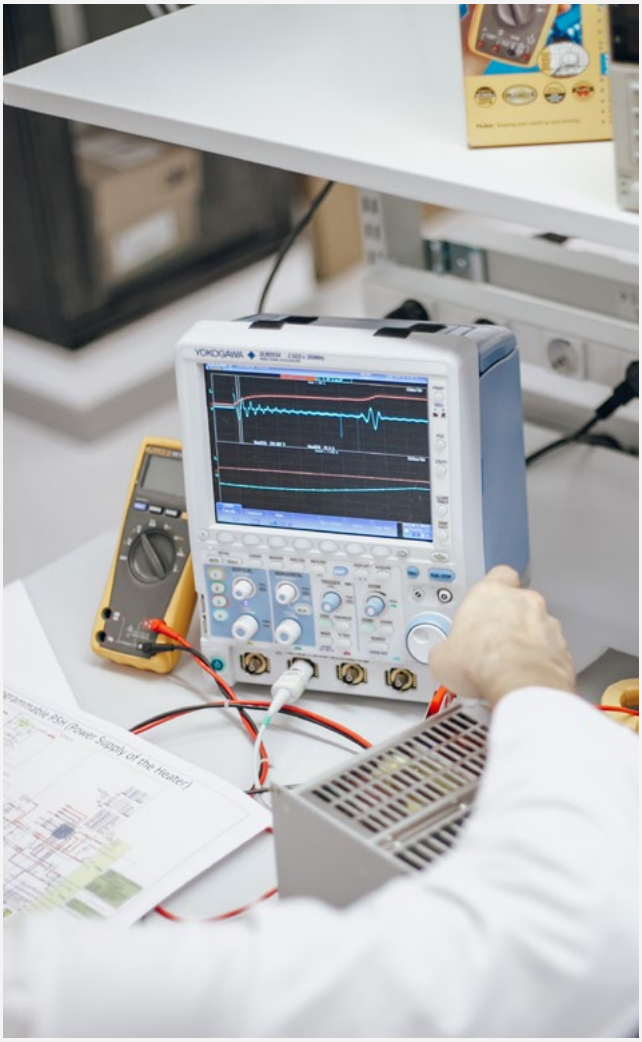
N SYSTEMS
1981

Over 40 years, at Premium PSU we have worked towards transforming our goals into achievements, our team's talent into revolutionary ideas and our values into commitments. As a result, in this catalogue we gather our range of DC/DC converters, DC/AC inverters, uninterrupted power supplies (UPS), AC/AC Variable Frequency Drives and AC/DC high efficiency rectifier systems, as well as high reliability custom-made solutions (from 50W to 72kW).



SHAPING THE POWER OF THE FUTURE

All phases of our projects are carried out in Barcelona and guarantee the highest quality, from the design to the homologation, through manufacturing. **Thanks to the most advanced testing systems, we can ensure the compliance with the necessary specifications and standards that enable the use of our products in various markets, such as industrial, railway, energy or in defense applications.**

Over four decades of experience creating standard products and more than 900 custom-made designs have resulted in a unique know-how that transforms into solutions of reduced costs and delivery times.

OUR QUALITY & ENVIRONMENTAL COMMITMENT

ISO 9001

All Premium PSU's processes are in compliance with the ISO 9001 regulation, which lays the groundwork of our day to day processes. These quality standards are always subject to inspection and improvement, keeping quality and security at pace of innovation and talent integration.

ISO 14001

Our quality commitment intends to boost sustainability. In 2019 we incorporated an environmental management system based in the UNE-EN ISO 14001 regulation. At Premium PSU we believe that achieving good environmental practices speaks about our responsibility as a global company, where we have to consciously contribute to our environment's protection.

CONFLICT MINERALS POLICY, ROHS DIRECTIVE AND REACH REGULATION

All our products comply with the Conflict Minerals Policy, RoHs Directive and REACH Regulation. Thanks to these regulations, we can assure that the materials used in our energy conversion solutions have not posed a social and/or sanitary risk in the manufacturing process.

OUR MARKETS

HIGH - TECH INDUSTRY

Innovation at the service of reliable power systems

Developing reliable power conversion solutions is key to withstand and boost the digitalization and the progress toward the continuous industry revolution. During 40 years, at Premium PSU we have offered the most pioneering technology, while evolving and keeping our quality standards high. Our solutions can be found in applications such as high-tech compressors, AGVs, coating machinery and semiconductor lithography machines among others. Our experience leads us to stay up to date with market trends and over 900 custom designs endorse our adaptive capability at all levels and specifications.

RAILWAY AND TRANSPORTATION

Taking us far since 1981

Efficiency, quality and reliability are merged in our railway solutions. In a demanding sector in terms of results and safety, our range of specific converters, inverters and power supplies for railway application stands out in performance and robustness. Our solutions can be found in vehicles such as trams, light rails, subways, locomotives, or on-board equipment from all over the world and in applications like HVAC systems, auxiliary and emergency systems, propulsion systems or low battery starters, among others. All our products comply with the EN50155 and EN45545 standards. Our know-how broadens our design possibilities, without sacrificing development cost and time to market.

ENERGY

40 years providing power to essential loads

Our mission at Premium PSU has always been transforming in terms of solutions´ functionality, but also researching innovative ideas that allow us to make a difference. In the energy market, we are involved in projects related to high and medium voltage substations, smart grid applications and hydrogen fuel cells. Our partnership with the largest energy distributors and power generation market leaders, has allowed us to learn, grow and evolve with new technologies and communication protocols.

EXTREME ENVIROMENTS

Rising up to new challenges

Setting limits is not our style, and that is why for over 40 years our energy conversion systems have played the main role in constant optimization. The results of our solutions in extreme environments speak for themselves about our quality and efficiency.

OUR FACILITIES

BORN IN BARCELONA, POWERING THE WORLD

Our facilities are a continuation of Premium PSU's innovative spirit and have been growing and evolving at the same time as our experience and knowledge. The quality of Premium PSU's solutions is the result of a strong investment in technological improvement and in the development of unique production techniques. With over 3.000 sqm (32.000sqf), we currently have the optimal facilities to provide the best version of our power conversion solutions.

R&D DEPARTMENT

From the moment an idea is proposed until the solution materializes, we make sure that the product fulfills its needs during the foreseen life period. It all starts in Premium PSU's brain: our R&D department, where a team of the best engineers starts designing the products according to specifications.

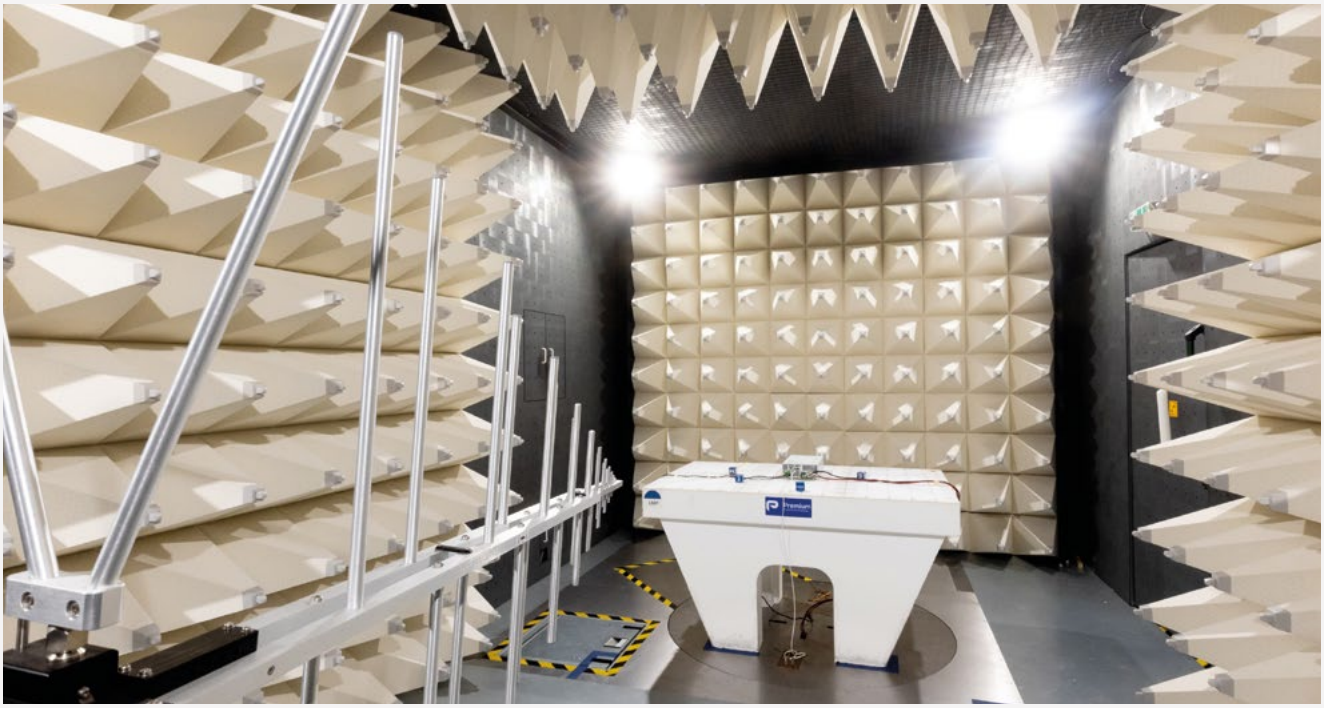
During the design process, our team is in constant contact with the customer in order to use all its experience to increase the customer´s competitiveness to its fullest, while implementing state of the art technologies in order to reduce energy consumption and reducing environmental impact. Our R&D department also makes sure all prototypes are verified and put through numerous simulations and tests before industrializing the product.

R&D TESTING LAB

Most of the testing can be carried out in our facilities and with our own state of the art equipment:

- **Semi-anechoic chamber** for EMC both in emission and immunity
- **Climatic chamber for temperature,** damp heat, and accelerated aging tests
- **Insulation resistance and dielectric strength** up to 15kV for electrical safety directives
- **Complete range of AC & DC sources and electronic loads**

At Premium PSU we continually strive to achieve the necessary means to elevate our results and exceed our costumers' expectations.



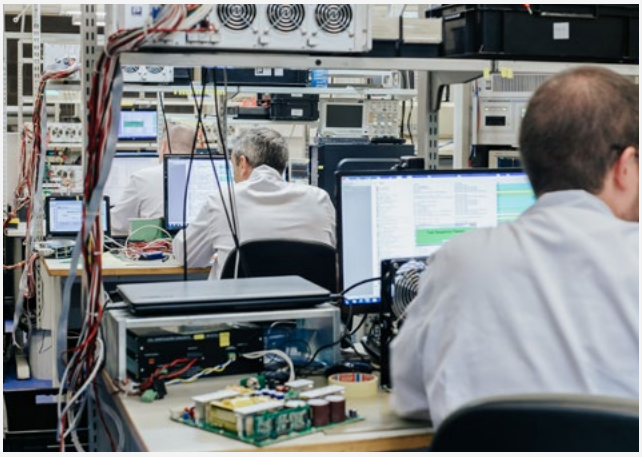
PRODUCTION AREA

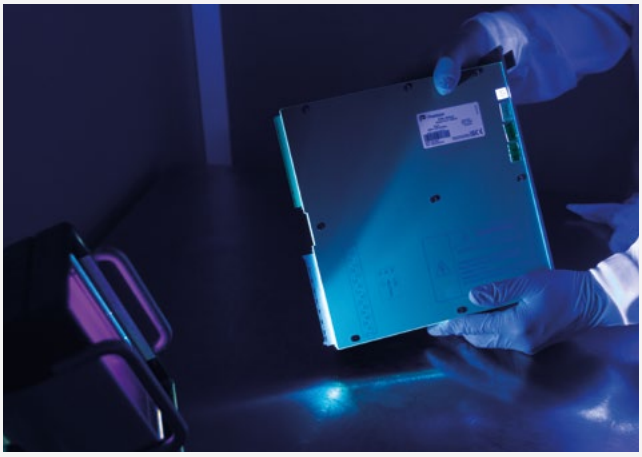
Premium PSU's production area is within an antistatic circuit that includes not only the reception of raw material, packaging and shipping areas, but also the entire production, assembly and verification chain. Due to this concentration of work phases in the same area, our industrialization process is considerably short. In addition, by introducing automated processes, human errors are minimized and our efficiency increases significantly.

One of our latest additions to our facilities is a clean room, which aims to meet the most demanding needs of our customers. Our clean room is ISO 14644 certified and complies with the highest security and quality guarantees. Regarding its functionality, this equipment allows us to optimize the cleaning process for products intended to be used in controlled environments. Premium PSU's clean room includes 3 independent spaces with different cleaning degrees: ISO8, ISO7 and ISO6.

We also have automatic verification equipment to guarantee the correct functioning of the products before being stored and shipped. All our products spend several hours in a burn-in room under controlled temperature conditions and a verification test report that includes the most representative results is available for all units sent out from our website.

Our facilities are not only crucial in the manufacturing of current products, but also in the establishment of new goals in order to keep revolutionizing high level power electronics.





OUR SOLUTIONS

Our ideas are developed from start to finish in Barcelona to be used all over the world. Our designs come true in the form of DC/DC converters, DC/AC inverters, AC/DC UPS & battery chargers, AC/AC VFD and AC/DC rectifier systems from 50W to 72kW. The best of our products is that they give an answer to real needs. In case that the project demands a solution that does not exist as a standard product, at Premium PSU we customize it with all the quality and safety guarantees.

We offer a 3-year warranty in industrial standard products and a 5-year warranty in railway products.

At Premium PSU we supervise our products with extreme care in all phases, from their design to their final shipment. **We start with the premise of adapting our products to our customers, not the other way around.** Thus, we adjust our product's features in terms of security and quality tests for its correct development.

From the production department, product performance tests are carried out through automatic verification equipment. In addition, **either through internal or external laboratories, we can make electrical and functional tests, climatic tests and electromagnetic compatibility tests according to each project's needs.** Once finished, 100% of our products spend several hours in a burn-in room under controlled temperature conditions. These intensive tests are what make a difference in our solutions, positioning us as technological leaders in our field.

OUR CUSTOM MADE SOLUTIONS

There are times when finding the perfect standard solutions is nearly impossible. At Premium PSU, we believe in pushing the limits and because of that we follow this principle: if we can imagine it, we can design it. Our custom-made solutions are our main commitment at Premium PSU. We design from scratch, based in over 900 previous designs, and make modifications to standard products to meet the needs of any project's specification.

Going for a custom-made product from Premium PSU is an ideal solution for several reasons:

- Performance and reliability: at Premium PSU we maximize the efficiency when faced with any power electronics challenge.
- Flexibility: our custom-made solutions can evolve and allow continuous improvement after being placed on the market.
- Time: the development phase for a custom-made solution can go anywhere from 3 weeks to 6 months, being 25% faster than our competitors.
- Differentiation: a custom-made solution rises our customers' added value, which contributes to the positioning of their product ahead from their competitors.
- Price: we set a budget without unexpected fluctuations.
- Security: we guarantee the quality and safety of our products by making sure they comply with the needed regulations.

AT PREMIUM PSU, CUSTOM IS OUR STANDARD

Premium PSU's customization is a 360º process: we design, test, validate and manufacture all of our solutions in our facilities in Barcelona with our team of over 50 engineers. **We assist our customers throughout all the customization process and offer technical advice based in our unique know-how to make the solution excellent**. Not in vain, our experience of over 40 years and a dream R&D Team have made us technological leaders in energy solutions.

At Premium PSU we develop custom-made DC/DC converters, DC/AC inverters, AC/DC power supplies, AC/DC battery chargers and rectifiers, bidirectional converters, AC/DC high efficiency rectifier systems and AC/AC frequency converters. We can develop limitless solutions. Some of the most common technical capabilities we work based on are:

- VERY HIGH-POWER DENSITY & HIGH FREQUENCY: FROM 50W TO 72kW
- INPUT VOLTAGES UP TO 460VAC (1-3PH) AND 1500VDC (4,5KV PK)
- EFFICIENCIES UP TO 95%
- UP TO IP68 PROTECTION
- 15kV ISOLATION (SURGES OF ±20KV 1,2/50 MS)
- COMMUNICATION AND ALARM PROTOCOLS BASED ON EACH PROJECT NEEDS
- OUTPUT VOLTAGES UP TO 480VAC (1-3PH) AND 750VDC
- MULTIPLE AND WIDE INPUT AND OUTPUT VOLTAGES
- WIDE OPERATING TEMPERATURE: FROM -40ºC TO +85ºC

In order to give the best in our solutions, the most common items we usually work on are:

- Design: mechanic and PCB
- Ripples and specific noises
- High efficiencies
- Design personalization according to client requirements in terms of regulations and market standards (EMC, MIL-STD, DEF-STAN, UL, CE, UKCA, CSA CB, DNV...)
- RAMS analysis and SIL approval
- Software driven functionalities
- Specific systems testing
- Innovation from design to industrialization

Without any doubt, **custom-made solutions are what sets us apart** and allow us to go further.

PRODUCT CATALOGUE

DC/DC CONVERTERS

DC/AC INVERTERS

AC/DC UPS

AC/AC VFD

AC/DC MODULAR SIC RECTIFIER SYSTEM

CUSTOM MADE SOLUTIONS

DC/DC CONVERTERS

High efficiency and high reliability in a compact size

Power range from 50W to 10kW

Wide variety of input/output combinations

Series specifically designed according EN50155, EN45455, and EN61373

Temperature range from -40°C to +85°C (OT6 class)

Easy install options

#WEAREPREMIUMPSU

CRS-120

100 - 140W DC/DC CONVERTERS

Power [W] 100 - 140
Input Voltage Range [V] 9 - 275
Output Voltage Range [V] 4.5 - 55.2
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 160 x 38,5

Key Features
MTBF >1Mh @ 40°C
Extreme reliability
Easy install: wall mount, DIN rail, rack mount

	12 Vin 9V ... 15V	24 Vin 18V ... 30V	48 Vin 36V ... 72V	72 Vin 50.4V ... 90V	110 Vin 77V.. 144V	220 Vin 165V.. 275V
5Vout	CRS-120-6761 100W	CRS-120-6765 100W	CRS-120-6769 100W	CRS-120-6773 100W	CRS-120-6777 100W	CRS-120-6781 100W
12Vout	CRS-120-6762 100W	CRS-120-6766 120W	CRS-120-6770 120W	CRS-120-6774 120W	CRS-120-6778 120W	CRS-120-6782 120W
24Vout	CRS-120-6763 120W	CRS-120-6767 120W	CRS-120-6771 140W	CRS-120-6775 140W	CRS-120-6779 140W	CRS-120-6783 140W
48Vout	CRS-120-6764 120W	CRS-120-6768 120W	CRS-120-6772 140W	CRS-120-6776 140W	CRS-120-6780 140W	CRS-120-6784 140W

CTS-120

RAILWAY 100 -140W DC/DC CONVERTERS

Power [W] 100 - 140
Input Voltage Range [V] 14.4 - 144
Output Voltage Range [V] 4.5 - 55.2
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 160 x 38,5

Key Features
MTBF >1Mh @ 40°C
Extreme reliability
Easy install: wall mount, DIN rail, rack mount

	24 Vin 14.4V ... 30V	36 Vin 21.6V ... 47V	48 Vin 28.8V ... 60V	72 Vin 43.2V... 90V	110 Vin 66V... 144V
5Vout	CTS-120-6865 100W	CTS-120-6885 100W	CTS-120-6869 100W	CTS-120-6873 100W	CTS-120-6877 100W
12Vout	CTS-120-6866 120W	CTS-120-6886 120W	CTS-120-6870 120W	CTS-120-6874 120W	CTS-120-6878 120W
24Vout	CTS-120-6867 120W	CTS-120-6887 140W	CTS-120-6871 140W	CTS-120-6875 140W	CTS-120-6879 140W
48Vout	CTS-120-6868 120W	CTS-120-6888 140W	CTS-120-6872 140W	CTS-120-6876 140W	CTS-120-6880 140W

CLS-120

120W WIDE INPUT RANGE DC/DC CONVERTERS

Under request

Power [W] 120
Input Voltage Range [V] 14.4 - 154
Output Voltage Range [V] 10.8 - 69.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 160 x 40

Key Features
Ultra wide input range
Efficiency up to 91%
Easy install: wall mount, DIN rail, rack mount

NEW

CLS-120	Universal Railway Input 14.4V ... 154V
12Vout	CLS-120-6512 120W
24Vout	CLS-120-6513 120W
48Vout	CLS-120-6514 120W

CRS-240

180 - 280W DC/DC CONVERTERS

Power [W] 180 - 280
Input Voltage Range [V] 9 - 275
Output Voltage Range [V] 4.5 - 55.2
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 200 x 38,5

Key Features
MTBF >1Mh @ 40°C
Extreme reliability
Easy install: wall mount, DIN rail, rack mount

	12 Vin 9V ... 15V	24 Vin 18V ... 30V	48 Vin 36V ... 72V	72 Vin 50.4V ... 90V	110 Vin 77V... 144V	220 Vin 165V... 275V
5Vout	CRS-240-6351 180W	CRS-240-6355 180W	CRS-240-6359 180W	CRS-240-6363 180W	CRS-240-6367 180W	CRS-240-6371 180W
12Vout	CRS-240-6352 180W	CRS-240-6356 240W	CRS-240-6360 240W	CRS-240-6364 240W	CRS-240-6368 240W	CRS-240-6372 240W
24Vout	CRS-240-6353 200W	CRS-240-6357 240W	CRS-240-6361 280W	CRS-240-6365 280W	CRS-240-6369 280W	CRS-240-6373 280W
48Vout	CRS-240-6354 200W	CRS-240-6358 240W	CRS-240-6362 280W	CRS-240-6366 280W	CRS-240-6370 280W	CRS-240-6374 280W

CTS-240

RAILWAY 180 - 240W DC/DC CONVERTERS

Power [W] 180 - 280
Input Voltage Range [V] 14.4 - 275
Output Voltage Range [V] 4.5 - 55.2
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 220 x 38,5

Key Features
MTBF >1Mh @ 40°C
Extreme reliability
Easy install: wall mount, DIN rail, rack mount

	24 Vin 14,4V ... 30V	36 Vin 21,6V ... 47V	48 Vin 28,8V ... 60V	72 Vin 43,2V ... 90V	110 Vin 66V.. 144V	220 Vin 132V.. 275V
5Vout	CTS-240-6655 180W	CTS-240-6672 180W	CTS-240-6659 180W	CTS-240-6663 180W	CTS-240-6667 180W	Available under request
12Vout	CTS-240-6656 240W	CTS-240-6673 240W	CTS-240-6660 240W	CTS-240-6664 240W	CTS-240-6668 240W	Available under request
24Vout	CTS-240-6657 240W	CTS-240-6674 280W	CTS-240-6661 280W	CTS-240-6665 280W	CTS-240-6669 280W	CTS-240-6678 280W
48Vout	CTS-240-6658 240W	CTS-240-6675 280W	CTS-240-6662 280W	CTS-240-6671 280W	CTS-240-6670 280W	Available under request

CKR-2000

1960W REDUNDANT DC/DC CONVERTERS

Key Features
Configurable input and output redundancy
Railway version available

		B - Sub-rack		A - Módulos / Modules	
		Total power	Redun. N+1	48 Vin (36V + 60V)	110 Vin (77V + 144V)
12Vout	NP-9176	1920W	1680W	NP-9179 240W	NP-9182 280W
24Vout	NP-9177	2240W	1960W	NP-9180 280W	NP-9183 280W
48Vout	NP-9178	2240W	1960W	NP-9181 280W	NP-9184 280W

CRS-500

500W DC/DC CONVERTERS

Power [W] 500
Input Voltage Range [V] 14.4 - 144
Output Voltage Range [V] 21.6 - 55.2
Cooling: Natural convection
Dimensions [LxWxH in mm]: 266 x 180 x 54,8

Key Features
- Extreme reliability
- Oring FET
- Current sharing & hold-up time options
- Railway version available

	24Vin 14.4V ... 30V	36 Vin 21.6V ... 47V	48Vin 28.8V ... 60V	72Vin 43.2V ... 90V	110Vin 66V ... 144V
24Vout	CRS-500-6455 500W	CRS-500-6467 500W	CRS-500-6458 500W	CRS-500-6461 500W	CRS-500-6464 500W
48Vout	CRS-500-6456 500W	CRS-500-6468 500W	CRS-500-6459 500W	CRS-500-6462 500W	CRS-500-6465 500W
110Vout	CRS-500-6457 500W	Available under request	Available under request	Available under request	CRS-500-6466 500W

CRS-1000

1000W DC/DC CONVERTERS

Power [W] 1000
Input Voltage Range [V] 14.4 - 144
Output Voltage Range [V] 21.6 - 126.4
Cooling: Natural convection, Conduction, Internal forced air
Dimensions [LxWxH in mm]: 266 x 180 x 54,8

Key Features
- Extreme reliability
- Oring FET
- Current sharing & hold-up time options
- Railway version available

	24 Vin 14.4V ... 30V	36 Vin 21.6V ... 47V	48 Vin 28.8V ... 60V	72 Vin 43.2V... 90V	110 Vin 66V... 144V
24Vout	CRS-1000-6475 1000W	CRS-1000-6487 1000W	CRS-1000-6478 1000W	CRS-1000-6481 1000W	CRS-1000-6484 1000W
48Vout	CRS-1000-6476 1000W	CRS-1000-6488 1000W	CRS-1000-6479 1000W	CRS-1000-6482 1000W	CRS-1000-6485 1000W
72Vout	CRS-1000-6490 1000W	CRS-1000-6491 1000W	Available under request	Available under request	CRS-1000-6494 1000W
110Vout	CRS-1000-6492 1000W	Available under request	Available under request	Available under request	CRS-1000-6493 1000W

CRS-2000

2000W DC/DC CONVERTERS

Power [W] 2000
Input Voltage Range [V] 14.4 - 154
Output Voltage Range [V] 21.6 - 126.5
Cooling: Internal forced air, natural convection
Dimensions [LxWxH in mm]: 314,6 x 220 x 79

Key Features
- SiC Technology: high power density
- Wide input/output range combinations

NEW

	24Vin 16.8V ... 30V 14.4V ... 33.6V (1)	36Vin 25.2V ... 45V 21.6V ... 50.4V (1)	48Vin 33.6V ... 60V 28.8V ... 67.2V (1)	72Vin 50.4V ... 90V 43.2V ... 100.8V (1)	110Vin 77V ... 137.5V 66V ... 154V (1)
24Vout	CRS-2000-6951 2000W	CRS-2000-6955 2000W	CRS-2000-6959 2000W	CRS-2000-6963 2000W	CRS-2000-6967 2000W
48Vout	CRS-2000-6952 2000W	CRS-2000-6956 2000W	CRS-2000-6960 2000W	CRS-2000-6964 2000W	CRS-2000-6968 2000W
72Vout	CRS-2000-6953 2000W	CRS-2000-6957 2000W	Available under request	Available under request	Available under request
110Vout	CRS-2000-6954 2000W	Available under request	Available under request	Available under request	CRS-2000-6970 2000W

Note: (1) Input voltage range for 100ms.

CVS-280

280W DC/DC

Power [W] 280
Input Voltage Range [V] 400 - 1100
Output Voltage Range [V] 21.6 - 121
Cooling: Natural convection
Dimensions [LxWxH in mm]: 65 x 162 x 230

Key Features
- Parallelizable units by ORing
- Active catenary surges filter
- Input voltage according to EN50163:2006 and EN50124-2:2017

NEW

CVS-280	600 & 750 Vin 400 ... 1100V (4,5kV pk)
24Vout	CVS-280-6973 280W / 400W pk
48Vout	CVS-280-6975 280W / 400W pk
72Vout	CVS-280-6976 280W / 400W pk
110Vout	CVS-280-6977 280W / 400W pk

CBS-10K

10kW PEAK SINGLE OUTPUT DC/DC CONVERTER

NEW

Power [W] 6000 average
Input Voltage Range [V] 16.8 - 138 (14.4 - 154Vdc 0.1s)
Output Voltage Range [V] 500
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 477,2 x 257,4 x 84,8

Key Features

- Up to 10 kW during 40s
- 500Vdc output (up to 700V under request)
- ORing diode at the output for decoupling from 2kW lines
- SiC Technology: high power density

	24 VDC 16.8 ... 30 V	48 VDC 33.6 ... 60 V	72 VDC 50.4 ... 90 V	110 VDC 77 ... 138 V
500 Vdc	CBS-10K-6001 5200 Wpk Available under request	CBS-10K-6003 10000 Wpk Available under request	CBS-10K-6004 10000 Wpk Available under request	CBS-10K-6005 10000 Wpk Coming Soon


EPA

DC/AC INVERTERS

Compact design, very high power density

Sine wave output voltage

Power range from 220V to 24kW

Up to 94% efficiency

In compliance with EN50155 and EN45545

Widest range in the market for railway applications

#WEAREPREMIUMPSU

OCS-260

INDUSTRIAL & RAILWAY 260VA DC/AC INVERTERS

Power [W] 180 - 220
Input Voltage Range [V] 9.5 - 138
Output Voltage Range [V] 144 - 241.5
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 220 x 40

Key Features
- Extreme reliability
- Sine wave output voltage
- Railway version available

1ph

	12Vdc 9.5 ... 15V (1)	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
120Vac	OCS-260-7041 180W	OCS-260-7043 200W	OCS-260-7044 220W	OCS-260-7045 220W	OCS-260-7046 220W	OCS-260-7047 220W
230Vac	OCS-260-7031 180W	OCS-260-7033 200W	OCS-260-7034 220W	OCS-260-7035 220W	OCS-260-7036 220W	OCS-260-7037 220W

Note (1): Startup voltage ≤10.2V. Under-voltage shutdown ≤ 9.1V

OPS-260

1PH IP66 260VA DC/AC INVERTER

Power [W] 180 - 220
Input Voltage Range [V] 9.5 - 138
Output Voltage Range [V] 114 - 241.5
Cooling: Natural convection
Dimensions [LxWxH in mm]: 67 x 249 x 135

Key Features
- Extreme reliability
- Sine wave output voltage
- IP66

1ph

	12Vdc 9.5 ... 15V (1)	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
120Vac	OPS-260-7741 180W	OPS-260-7743 200W	OPS-260-7744 220W	OPS-260-7745 220W	OPS-260-7746 220W	OPS-260-7747 220W
230Vac	OPS-260-7731 180W	OPS-260-7733 200W	OPS-260-7734 220W	OPS-260-7735 220W	OPS-260-7736 220W	OPS-260-7737 220W

Note (1): Startup voltage ≤10.2V. Under-voltage shutdown ≤ 9.1V

ODS-750

INDUSTRIAL & RAILWAY 450-750W DC/AC INVERTERS

Power [W] 450 - 750
Input Voltage Range [V] 9.5 - 138
Output Voltage Range [V] 110 - 230
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 130 x 270 x 50

Key Features
- High power density
- Sine wave output voltage
- Railway version available

1ph

	12Vdc 9.5 ... 15V	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
120Vac	ODS-750-7281 450W	ODS-750-7283 750W	ODS-750-7284 750W	ODS-750-7285 750W	ODS-750-7286 750W	ODS-750-7287 750W
230Vac	ODS-750-7271 450W	ODS-750-7273 750W	ODS-750-7274 750W	ODS-750-7275 750W	ODS-750-7276 750W	ODS-750-277 750W

ODS-1500

INDUSTRIAL & RAILWAY 1500VA DC/ AC INVERTERS

Power [W] 1200 - 1500
Input Voltage Range [V] 10 - 138
Output Voltage Range [V] 120 - 230
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 360,48 x 161,6 x 65,6

Key Features
- Very high power density
- Configurable power
- Sine wave output voltage
- Railway version available

1ph

	12Vdc 10 ... 15V	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
120Vac	ODS-1500-7121 1200W	ODS-1500-7123 1500W	ODS-1500-7124 1500W	ODS-1500-7125 1500W	ODS-1500-7126 1500W	ODS-1500-7127 1500W
230Vac	ODS-1500-7111 1200W	ODS-1500-7113 1500W	ODS-1500-7114 1500W	ODS-1500-7115 1500W	ODS-1500-7116 1500W	ODS-1500-7117 1500W

ODS-3000

INDUSTRIAL & RAILWAY 3000VA DC/AC INVERTERS

Power [W] 2400 - 4000
Input Voltage Range [V] 16.8 - 138
Output Voltage Range [V] 120 - 230
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 386,9 x 193,9 x 78,5

Key Features

- Very high power density
- Configurable power
- Sine wave output voltage
- Railway version available

1ph

	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V	120Vdc 84 ... 150V	300Vdc 290 ... 330V
120Vac	ODS-3000-7163 2400W	ODS-3000-7164 2500W	ODS-3000-7165 2500W	ODS-3000-7166 2500W	ODS-3000-7167 2500W	Available under request	Available under request
230Vac	ODS-3000-7153 2400W	ODS-3000-7154 3000W	ODS-3000-7155 3000W	ODS-3000-7156 3000W	ODS-3000-7157 3000W	Available under request	Available under request
	Available under request	Available under request	Available under request	Available under request	ODS-3000-7177 4000W	ODS-3000-7178 4000W	ODS-3000-7179 4000W

ODX-1300

3PH 1300VA DC/AC INVERTERS

Under request

Power [W] 1100
Input Voltage Range [V] 16.8 - 138
Output Voltage Range [V] 250 - 400
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 315 x 178 x 66,5

Key Features

- Very high power density
- Configurable power & soft start
- Sine wave output voltage
- Railway version available

1ph

	24Vdc 16.8 ... 30V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
250Vac	ODX-1300-7442 1100W	ODX-1300-7445 1100W	ODX-1300-7447 1100W
400Vac	ODX-1300-7452 1100W	ODX-1300-7455 1100W	ODX-1300-7457 1100W

ODX-3000

3PH 3000VA DC/AC INVERTERS

Power [W] 2400 - 3000
Input Voltage Range [V] 16.8 - 138
Output Voltage Range [V] 230 - 400
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 392,87 x 220 x 80,5

Key Features
- Very high power density
- Configurable power & soft start
- Sine wave output voltage
- Railway version available

3ph

	24Vdc 16.8 ... 30V	36Vdc 25.2 ... 45V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
230Vac	ODX-3000-7413 2400W	Available under request	Available under request	Available under request	ODX-3000-7417 3000W
400Vac	ODX-3000-7403 2400W	ODX-3000-7404 3000W	ODX-3000-7405 3000W	ODX-3000-7406 3000W	ODX-3000-7407 3000W

ODX-4500

3PH 4500VA DC/AC INVERTERS

Under request

Power [W] 4000
Input Voltage Range [V] 50.4 - 138
Output Voltage Range [V] 50 - 400
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 392,87 x 220 x 80,5

Key Features
- Very high power density
- Configurable power & soft start
- Railway version available
- Sine wave output voltage

3ph

	72Vdc 50.4 ... 90V	110Vdc 70 ... 125V	110Vdc 77 ... 138V
400Vac	ODX-4500-7425 4000W	ODX-4500-7426 4000W	ODX-4500-7427 4000W

ODX-6000

3PH 6000VA DC/AC INVERTERS

Power [W] 3500 - 6000
Input Voltage Range [V] 16.8 - 138
Output Voltage Range [V] 80 - 400
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 455,44 x 260 x 84,8

Key Features
- Very high power density
- Sine wave output voltage
- Railway version available
- Up to 5 units in parallel
- Configurable power & soft start

3ph

	24Vdc 16.8 ... 30V	48Vdc 33.6 ... 60V	72Vdc 50.4 ... 90V	110Vdc 77 ... 138V
400Vac	ODX-6000-7502 3500W	ODX-6000-7505 6000W	ODX-6000-7506 6000W	ODX-6000-7507 6000W

OVX-6400

6400VA 3PH CATENARY DC/AC INVERTER (600/750 VIN)

Power [W] 6400
Input Voltage Range [V] 400-1000
Output Voltage Range [V] 80 - 400
Cooling: Internal forced air
Dimensions [LxWxH in mm]: 85,8 x 372 x 455,3

KEY FEATURES
- SiC Technology: high power density
- Active catenary surges filter
- Sine wave output voltage
- Configurable power & soft start
- Input voltage according to EN50163:2006 and EN50124-2:2017

3ph

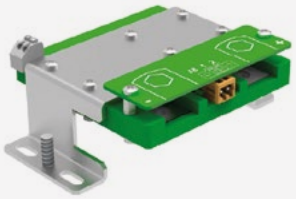
NEW

Input Voltage	Output Voltage	Output Power
400...900 Vdc	400 V 3ph	6kW | 6.4 KVA | 8 kWpk

COMPLEMENTARY SOLUTIONS FOR DC/AC INVERTERS

ACI-3000

INRUSH CURRENT LIMITER



KEY FEATURES

- Suitable for DC/AC series: ODS-1500 ODS-3000 ODX-3000
- Remote ON/OFF with low standby current
- Active polarity reversal protection
- According to EN-50155 and EN-45545

NEW

Suitable for series	24Vdc	36Vcd	48Vdc	72Vdc	110Vdc
ODS-1500 ODS-3000 ODX-3000	ACI-3000-9333	ACI-3000-9334	ACI-3000-9335	ACI-3000-9336	ACI-3000-9337

ACB-3000

REDUNDANCY STATIC TRANSFER SWITCH

KEY FEATURES

- Suitable for DC/AC series: ODS-750, ODS-1500 and ODS-3000
- Compatible with any 120/230V mains line
- 2ms high speed failure detection and transfer time
- Does not require a synchronised network

MODEL	ACB 3000-9431			ACB 3000 9576		
Voltage lines	230 Vac			120 Vac		
Suitable for inverters	ODS-750	ODS-1500	ODS-3000	ODS-750	ODS-1500	ODS-3000

AC/AC VARIABLE FREQUENCY DRIVES

IN COMPLIANCE WITH EN50155 AND EN45545 VFD FOR RAILWAY APPLICATIONS

Capabilities for AC/AC VFD development

- Up to 40kW
- Isolated or non-isolated versions
- Sine wave output voltage
- Combinations as required: 1ph-3ph / 3ph-1ph / 3ph-3ph
- Ability to maintain stable output voltage over the entire input range
- Adjustable output frequency and voltage
- Communication through CAN BUS
- Rolling stock standards according to project needs

Benefits of using an AC/AC Variable Frequency Drives:

- Save energy and improve network, systems, and HVAC efficiency
- Easy control of motor speed, flow and pressure in electric pumps and fans
- Soft start of motors
- Reduction of temperature and less maintenance of connected devices
- Match the speed and power of the drive to the process requirements

VDX - 10K

10KVA AC/AC VARIABLE FREQUENCY DRIVE

Power [W] 10.000W
Input Voltage Range [V] 360-440
Output Voltage Range [V] 80-400
Cooling: Internal controlled fan
Dimensions [LxWxH in mm]: 454,39 x 260,4 x 84,8

1ph
3ph

Key Features

- Suitable for motors control
- Sine wave output voltage
- Adjustable output frequency &voltage
- Remote ON/OFF opto-coupled
- Alarm by isolated relay contacts
- Configurable input: Reverse or Mid power
- Remote control via RS232 or CAN Bus
- Railway according to EN50155
- Fire and smoke: EN45545-2

TDS-3300

3300 VA AC/AC FREQUENCY CONVERTER

Power [W] 3300W
Input Voltage Range [V] 360-528
Output Voltage Range [V] 230Vac
Cooling: Internal forced air with fan speed control
Dimensions [LxWxH in mm]: 434,7 x 245,4 x 84,8

3ph

Key Features

- Suitable for socket AC power
- Designed according to EN50155
- Fire and smoke: EN45545-2
- High input-output isolation
- Remote start signal
- Output failure alarm
- Output short circuit protection
- Over temperature shutdown
- Inrush limit
- 94% efficiency

AC/DC UPS - BATTERY CHARGERS

Power from 100W to 500W

Limitless communication possibilities

SMART functionalities

#WEAREPREMIUMPSU

ECS-200

200W AC/DC UPS BATTERY CHARGER

Power [W] 200 - 230
Input Voltage Range [V] ±20%
Output Voltage Range [V] 12 - 57.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 100 x 220 x 45

Key Features
- High reliability
- Discharged battery cut off

ECS-200	Nominal Voltage	Maximum Rectifier Power	Maximum Rectifier Current	Maximum Battery Current	Battery Floating Voltage	Battery Cut off Voltage	Charging current selection 1	Charging current selection 2	Charging current selection 3	Charging current selection 4
ECS-200-5183	12V	200W	14.7A	20A	13.6V	10V	2.0A	2.4A	4.8A	9.6A
ECS-200-5187	24V	225W	8.30A	15A	27.2V	20V	1.0A	1.2A	2.4A	4.8A
ECS-200-5189	48V	230W	4.20A	6A	54.4V	40V	0.44A	0.6A	1.2A	2.4A

EPS-120

120W SMART UPS BATTERY CHARGER

Under request

Power [W] 120
Input Voltage Range [V] 184 - 265
Output Voltage Range [V] 0 - 57.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 247 x 115 x 115

Key Features
- Ethernet network controlled (Web services & SNMP)
- Battery test, temperature sensor, 10kV I/O isolation
- Especially designed for IoT applications

EPS-120	OUT-1	Total power	Peak power	Battery	Input isolation	Housing
EPS-120-5192	48V / 3A 4.6 Apk	120W	180W	48V	10000Vrms	Plastic case

EPS-200

200W SMART UPS BATTERY CHARGER

Under request

Power [W] 200
Input Voltage Range [V] 184 - 265
Output Voltage Range [V] 0 - 57.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 247 x 115 x 115

Key Features
Ethernet network controlled (Web services & SNMP)
Battery test, temperature sensor, 10kV I/O isolation
Especially designed for IoT applications

	OUT-1	Total power	Peak power	Battery	Input isolation	Housing
EPS-200-5193	48V / 5.2A 10.3 Apk	200W	400W	48V	10000Vrms	Plastic case

EDT-150

150W 3 OUTPUTS SMART UPS BATTERY CHARGER

Power [W] 150
Input Voltage Range [V] 184 - 264
Output Voltage Range [V] 0 - 57.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 247 x 115 x 115

Key Features
Ethernet network controlled (Web services & SNMP)
Battery test, temperature sensor, 10kV I/O isolation
Especially designed for IoT applications

EDT-150	OUT-1	OUT-2	OUT-3	Total power	Peak power	Battery	Input isolation	Housing
EDT-150-5191	12V / 16A 25 Apk	48V / 2.2A 5.2 Apk	48V / 0.83A 0.83 Apk	150W	275W	12V	3000Vrms	Aluminium case

EDS-500

500W DC UPS BATTERY CHARGER

Power [W] 500
Input Voltage Range [V] 90 - 264
Output Voltage Range [V] 0 - 57.6
Cooling: Natural convection
Dimensions [LxWxH in mm]: 186.5 x 87 x 124.4

Key Features
Battery test
Temperature sensor
CAN communication

NEW

EDS-500	Input Voltage	Nominal output voltage	Maximum output power	Maximum output current	Maximum output peak current from battery
EDS-500-5243	90 ... 264 Vac	12V	500W	36.7A	50A 30s
EDS-500-5247	90 ... 264 Vac	24V	500W	18.4A	30A 30s
EDS-500-5249	90 ... 264 Vac	48V	500W	9.19A	15A 30s
EDS-500-5251	90 ... 264 Vac	110V	500W	4A	6.5A 30s

FlexStorm Series: MODULAR SiC RECTIFIER SYSTEM

Battery autonomy end contactor

Output circuit breaker distribution

Voltage drop Diodes - Communications

Anti-reverse diode - IP grade - Cabinet color

Special documentation - Seismic grade protection

Other input voltages available

Output distribution with DC/DC

Output inverter - Batteries

#WEAREPREMIUMPSU

Configurable cabinet: Up to 72kW 110/125Vout High Efficiency modular Rectifier

Input

AC input voltage (nominal)	3 x 400 Vac + N
AC input voltage (range)	340...460 Vac
AC input frequency (range)	45 ... 65 Hz
Power factor	>0.94 (> 50% Load)
Efficiency	>89 % (> 25% Load)
	>93 % (> 100% Load)

Output

Output type	DC
Default output voltage	125Vdc
Output voltage adjustment	86 ... 157 Vdc
Maximum output current	20...480 A
Current sharing	Parallel Active
Battery type	NiCd & PbCa
Static voltage regulation	< ±1 % typical
Dynamic voltage regulation	< ±1 % (Δ 20%-100%-20% Load)
Response time	< 10 ms (Δ 20%-100%-20% Load)
Ripple (BW: 20mHz)	< 90 mVpp

EMC

Emission according to	EN 61000-6-4:2019
	EN 61000-3-2:2019
Cooling	EN-61000-6-2:2019

3kW Parallelable single phase Rectifier Module

Environmental

Storage temperature	-40°C ... 85°C
Operating temperature range	-10°C ... 60°C [1]
Cooling	Internal forced air controlled (modules)
Maximum Relative humidity	95% with no condensation
Installation height	up to 2000 m
MTBF	250.000h @ 25°C according to EN29500

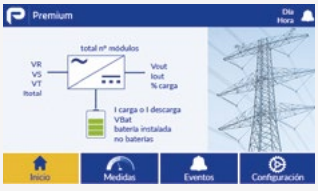
Safety

Safety according to	EN62368-1:2020
Dielectric strength Input-Output	2000Vac, 50Hz, 1min.
Dielectric strength Input-Earth	4000Vac, 50Hz, 1min.
Dielectric strength Output-Earth	2000Vac, 50Hz, 1min.

Dimensions

FDS-3kW Rectifier Module	67mm x 130mm x 400mm
LMS Control Module	40 mm x 130mm x 400mm

FlexStorm Series Communication and Control system



Control

Local control	RS-232
Remote control	Ethernet & SNMP
Alarm contacts	6 low voltage analog inputs 4 digital inputs
LEDs	Green: Vin-Vout OK, Yellow: Warning, Red: Alarm

CUSTOM-MADE SOLUTIONS

Not finding the perfect fit in a standard product catalogue? Tell us about your project and we will make it possible.

We have the best R&D to design the best power conversion systems:

More than 50 engineers working transversally
Know-how acquired over four decades
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Technical assistance to all projects
Over 900 successful industrialized solutions
Committed to continuous improvement

SMART 125V/35A THYRISTOR RECTIFIER

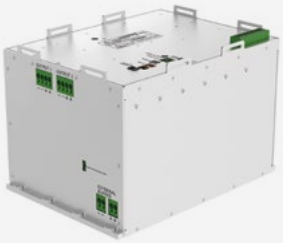
SECURE DC POWER FOR MV/LV SUBSTATIONS

#WEAREPREMIUMPSU

2kW 3PH DC/AC INVERTER, PARALLELIZABLE UP TO 4 UNITS

RAILWAY INTEGRATED TRACK MANOEUVRING SYSTEM

3PH AC/DC POWER SUPPLY 15kW (60kW/PK)



MECHATRONICS

UL DC/DC 70V..900VIN 300W (800WPK)

HIGH TECH OIL-FREE AIR CENTRIFUGAL BLOWER

400W DC/DC CONVERTER, 110VIN/290VOUT

RAILWAY EMERGENCY VENTILATION

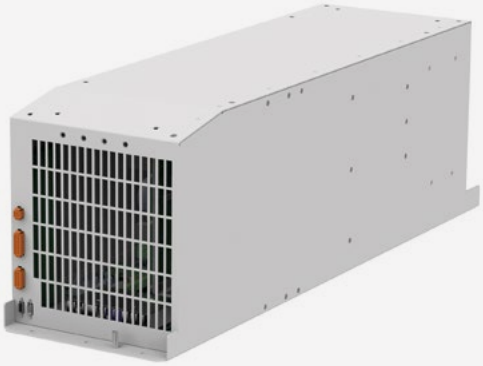
IOT BATTERY CHARGER, DUAL OUTPUT, 200W (400W/PK)

SECURE DC POWER FOR MV/LV SUBSTATIONS

2kW BATTERY CHARGER, >90% EFFICIENCY

RAILWAY LEVEL CROSSING GATES

35kW+5KW V/F 3PH INVERTER 750VIN



RAILWAY HVAC COMPRESSOR AND FANS POWER SOURCE

DC/DC CONVERTER, MULTIPLE REDUNDANT OUTPUT

RAILWAY SIGNALING (ERTMS)

QUICK PRODUCT GUIDE

DC/DC Converters

Product series	Power [W]	Input voltage range [V]	Output voltage [V]	Temperature range [°c]	Cooling	Page
 CKR-2000	1920 - 2240	28 ... 60 66 ... 144	12, 24, 48	-25 ... 70	Natural convection	23
 CRS-120	100 - 140	9 ... 15 18 ... 30 36 ... 72 50,4 ... 90 77 ... 144 165 ... 275	5, 12, 24, 48	-25 ... 80	Natural convection	21
 CTS-120	100 - 140	14,4 ... 30 21,6 ... 47 28,8 ... 60 43,2 ... 90 66 ... 144	5, 12, 24, 48	-25 ... 85	Natural convection	21
 CLS-120	120	14,4 ... 154	12, 24, 48	-40 ... 85	Natural convection	22
 CRS-240	180-280	9 ... 15 18 ... 30 36 ... 60 50,4 ... 90 77 ... 144 165 ... 275	5, 12, 24, 48	-25 ... 80	Natural convection	22
 CTS-240	180 - 280	14,4, ... 30 21,6 ... 47 28,8 ... 60 43,2 ... 90 66 ... 144 132 ... 275	5, 12, 24, 48	-25 ... 85	Natural convection	23
 CRS-500	500	14,4 ... 30 21,6 ... 47 28,8 ... 60 43,2 ... 90 66 ... 144	24, 48, 110	-25 ... 70	Natural convection	24
 CRS-1000	1000	14,4 ... 30 21,6 ... 47 28,8 ... 60 43,2 ... 90 66 ... 144	24, 48, 72, 110	-25 ... 70	Natural convection	24
 CRS-2000	2000	14,4, ...33,8 21,6 ... 50,4 28,8 ... 67,2 43,2 ... 100,8 66 ... 154	24, 48, 72, 110	-25 ... 70	Internal fan Natural convection	25
 CVS-280	280	500 ... 1100	24, 48, 72, 110	-25 ... 85	Natural convection	25
 CBS-10K	6000 average	16.8 - 138 (14.4 – 154Vdc 0.1s)	500	-40 ... 85	Internal forced air	26

AC/AC VFD

Product series	Power [W]	Input voltage range [V]	Output voltage [V]	Temperature range [°c]	Cooling	Page
 VDX-10K	10.000	360...460	400	-25 ... 85	Internal controlled fan	37
 TDS-3300	3.300	432...528	230Vac (1ph) 400Vac (3ph)	-40 ... 55	Internal force air with fan speed control	37

DC/AC Inverters

Product series	Apparent Output Power [VA]	Input Voltage Range [V]	Output Voltage [V]	Temperature Range [°C]	Cooling	Page
 OCS-260	260	9,5 ... 15 16,8 ... 30 25,2 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	1ph 120, 230	-40 ... 70	Natural convection	29
 OPS-260	260	9,5 ... 15 16,8 ... 30 25,2 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	1ph 120, 230	-40 ... 70	Natural convection	29
 ODS-750	750	9,5 ... 15 16,8 ... 30 25 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	1ph 120, 230	-25 ... 70	Internal fan	30
 ODS-1500	1200 - 1500	10 ... 15 16,8 ... 30 25,2 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	1ph 120, 230	-25 ... 70	Internal fan	30
 ODS-3000	2400 - 4000	16,8 ... 30 25,2 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	1ph 120, 230	-25 ... 70	Internal fan	31
 ODX-1300	1300	16,8 ... 30 50,4 ... 90 77 ... 138	3ph 250, 400	-25 ... 85	Internal fan	31
 ODX-3000	2400 - 3000	16,8 ... 30 25,2 ... 45 33,6 ... 60 50,4 ... 90 77 ... 138	3ph 230, 400	-25 ... 85	Internal fan	32
 ODX-4500	4500	50,4 ... 90 70 ... 125 77 ... 138	3ph 400	-25 ... 85	Internal fan	32
 ODX-6000	4500 - 6000	16,8 ... 30 33,6 ... 60 50,4 ... 90 77 ... 138	3ph 400	-25 ... 85	Internal fan	33
 OVX-6400	6400	400...1000	3ph 80 - 400	-25 ... 85	Internal fan	33

AC/DC UPS - Battery chargers

Product series	Power [W]	Input Voltage [V]	Output Voltage [V]	Temperature Range [°C]	Cooling	Page
 ECS-200	200 - 230	88 ... 133	12, 24, 48	-25 ... 70	Natural convection	39
 EPS-120	120	184 ... 264	48	-25 ... 70	Natural convection	39
 EPS-200	200	184 ... 265	48	-25 ... 70	Natural convection	40
 EDT-150	150	184 ... 264	Triple output: 12V/16A 48V/2,2A 48V/0,83A	-25 ... 70	Natural convection	40
 EDS-500	500	90 ... 264	12, 24, 48	-25 ... 70	Natural convection	41

#WeArePremium

After 40 years of history as a company, we have achieved challenges that would have been impossible to accomplish without our team's talent. The experience provided by our senior members, along with the innovation and freshness of our latest additions, have made us better, faster and stronger. Premium PSU's values are our compass in our path to achieve the best version of our team. We are guided by:

- **Innovation:** continuous change and evolution bring top quality and state of the art technology
- **Excellence:** not losing sight of our strengths while improving our services has turned us into one of the most competitive organizations in the market.
- **Flexibility:** adaptive ability is one of our strengths. Challenges have no limits.
- **Passion:** we like what we do. We design and manufacture meticulously to offer unique technological products.
- **Transparency:** team members integrate our company's approach into their actions and make it their own. Premium's results are its team's outcome.

We also take responsibility for our role as a company in today's world through our commitment and ethical policies. We are aware that every action has an important impact, so we are committed to make positive social and environmental contributions. Our intentions come true through supporting the 2030 Plan defined in the United Nations Sustainable Development Goals (SDGs).

Thanks to the effort and continuous improvement on top of mind we transform challenges into sustainable and responsible solutions that will keep powering us to go even further. Our customers are an essential part of our company's mission, and that is why we make their challenges ours through innovative power conversion solutions.

In 2022 we launched Floox, our fast and ultra fast DC charging points for electrical vehicles.

We move towards a sustainable and efficient future where our habits should be much more respectful with our environment. A journey without return has started, and electrical mobility will be key to reach a world with no emissions and acoustic pollution.

At Premium PSU we are ready to contribute to this challenge with Floox.

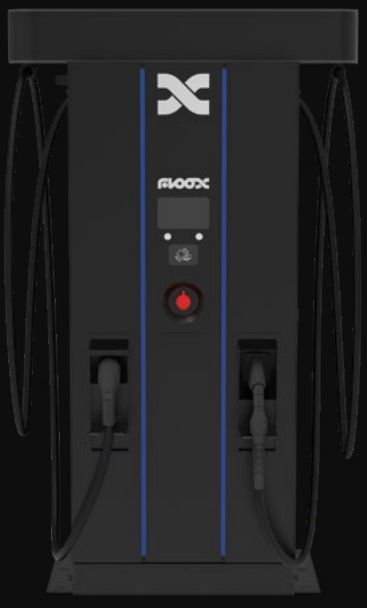
30kW

***Power**floox*

60kW

***Super**floox*

90kW - 360kW



***Ultra**floox*

flooxpower.com

Lyra 60

- *The most compact 60 kW DC fast charger in the market*
- *100 % Made in Barcelona*
- *Simultaneous charge for two vehicles*
- *Stand alone or wall mounting*
- *80% battery charged in 30 minuts with an anutonomy of 200-250km*

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