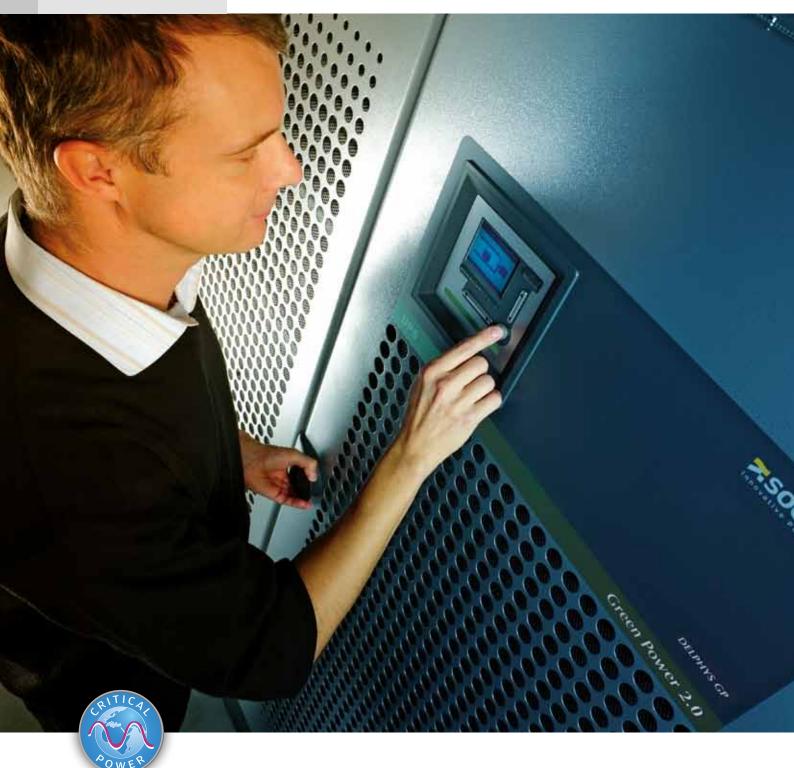


## Green Power 2.0 UPS up to 4 MW

High availability and power quality solutions for business continuity





## Maximum availability, without compromise!

Business continuity is a crucial aspect in datacentre infrastructures where availability must be ensured 24/7/365 to avoid data losses and downtime of company operations. We offer you fail-safe solutions using the most advanced expertise and cutting-edge technologies because we know what you have at stake.



#### Manage data centre evolution without affecting power availability

Critical buildings are faced with constant evolutions in energy demands. These electrical infrastructures need to be adaptable to business strategy development, to service level agreement evolution and to the impacts of IT innovations.

#### **Reduce Cost of Ownership**

As an environmentally responsible company you are naturally concerned about life cycle costs and carbon footprint reduction in your installation. Energy cost and floor space are expensive and will increase over the years.

At the same time, incentive programmes linked to the reduction of greenhouse gas emissions will naturally encourage the choice of high energy-efficient solutions.

#### The SOCOMEC solutions

SOCOMEC offers you innovative solutions designed to ensure the continuity of your business applications allowing you to reduce the electrical infrastructure's total cost of ownership and to adopt a sustainable development approach.

#### Best practice award



"With its range of Green Power UPS solutions, Socomec maximizes efficiency and ensures the highest levels of protection. It continuously strives to enhance customer value by providing products that are excellent in terms of performance and have a low total cost of ownership".

Frost & Sullivan recognizes Socomec's long term commitment to develop truly innovative products for increasingly demanding critical power applications. The Green Power UPS solutions comply with the most stringent environmental protection standards without compromising on performance - even for the most

challenging applications.

**GREEN POWER 2.0 - SOCOMEC** 

## A specialist at your disposal

Innovative bespoke solutions for your specific needs, support service to assess the capability of your data centre, after sales support throughout the entire life cycle of your equipment.

#### High **EXPERTISE Availability** Business continuity Power management Agility Power quality **Cost Saving** SOLUTIONS SERVICE Customized systems Cutting-edge technology · Project and consultancy partnership Eco-friendly Plant care • 24/7/365 monitoring and fast response to site

#### **High Availability**

How does SOCOMEC ensure high availability and business continuity to your mission-critical applications?

- By **assuring** total load protection by working in true online double conversion and with high UPS performances meeting your installation and load requirements.
- By protecting your business using the appropriated solution and fault-tolerant design.
- By accurate **monitoring** of UPS and energy storage availability.

#### Agility

How does SOCOMEC let your IT infrastructures grow without affecting availability and with no risk of downtime?

- By **designing** innovative solutions for data centre infrastructures facing continuous changes.
- By **adapting** the UPS and the energy distribution architectures.
- By **providing** flexible energy storage solutions.

#### **Cost Saving**

How does SOCOMEC help you to increase profitability, lower costs and be environmentally friendly?

- With energy efficiency solutions allowing reduction of energy losses.
- With **solutions** avoiding overdesign costs.
- With optimized energy storage solutions.

#### SOCOMEC, your best asset

SOCOMEC is an industrial group specialising in the **availability**, **control** and **safety** of low voltage electrical energy. The long experience in UPS design with thousands of medium and large power systems supplying critical

## IT loads makes SOCOMEC one of the leaders in **high power UPS** solutions.

As a recognised expert in critical power, SOCOMEC is the **only contact** you need, offering everything from technical analysis to implementation of a solution perfectly **adapted** to your needs. As a leader in power availability, SOCOMEC is here to provide you the best **technical support** to **reduce** your consumption and improve the **quality** of your energy.



## Green Power 2.0 High energy efficiency and power availability

#### The SOCOMEC

Green Power 2.0 UPS range combines unbeatable energy efficiency with unity power factor to give you the ultimate critical power solution for data centre availability. And along with our range of STS, energy storage and monitoring solutions you have all the means to prevent faults, supervise your system, lower costs and reduce  $CO_2$  emissions.





Green Power 2.0 efficiency is independently attested by Bureau Veritas in all operating conditions, from partial to full load and with different types of loads.

#### **Running cost savings**

- 96% efficiency in online double conversion mode thanks to 3-level technology.
- UPS efficiency designed to minimize losses at full and partial load.
- Energy Saver, embedded power management reducing online protection losses on parallel systems.
- Long life battery solutions.
- Wide rectifier input voltage and frequency tolerances minimize battery use and ageing.
- EBS (Expert Battery System) for energy storage lifetime improvement.

#### System cost savings

- Full rated UPS supplies more blade servers and the latest generation of power supplies which are forcing leading or unity power factor.
- Real full power according to IEC 62040: kW=kVA (unity power factor) means 25% more active power available compared to legacy UPS.
- Small footprint for space saving with a very high power density.
- Upstream infrastructure cost optimization, thanks to high performance IGBT rectifier: input power factor >0.99, sinewave absorption current, soft start function and neutral connection-free rectifier.

#### Advantages



#### Dynamic energy storage solutions

## Do you need an acid-free solution?

FLYWHEEL, a dynamic energy storage solution, removes restrictions linked to traditional battery use.

Among its features, it provides outstanding reliability, quick recharging, easy installation, reduced and simplified maintenance and a lifetime of more than 20 years.

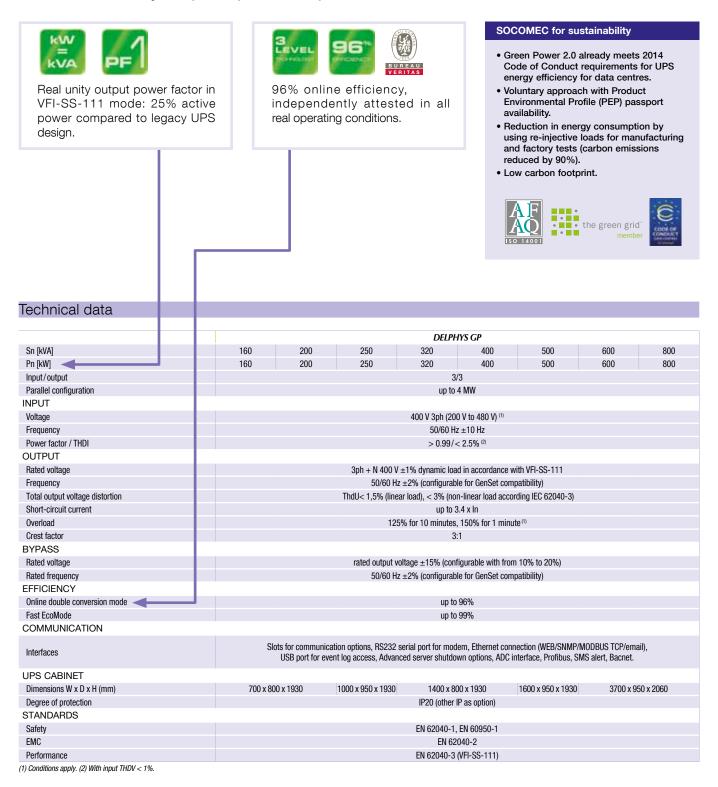
## The ultimate adapted solutions



## Technical specifications

Green Power 2.0 from 10 to 800 kVA/kW is the ultimate UPS solution for ensuring business continuity to mission-critical infrastructures.

DELPHYS GP 160-800 kVA/kW is the high power offer of Green Power 2.0 UPS range allowing maximum availability and power protection up to 4 MW.



# An **experienced** manufacturer at your service

SOCOMEC has a worldwide network of close-to-site specialist UPS engineers dedicated to guarantee business continuity in the most demanding critical power applications.

## Our experience for your right solution

- Understanding of your needs to maintain the availability of high quality energy, whether it is a new plant or a renewal.
- Ability to customize your plant according to your specific requirements
- Adapted protection level and architecture solutions.

#### Project consultancy

- Reliable, efficient, safe plant design and implementation
- Energy efficiency assessments and power quality audits.
- Infrared analysis.

## Testing, Commissioning and Training

- Factory acceptance tests or on-site performance validation.
- Installation and commissioning certification.

**SERVICE &** 

MAINTENANCE

• Complete product training offer.

#### Maintenance programme

SOLUTION

DESIGN

SYDN 132 A

• Comprehensive maintenance programmes.

**PROJECT CONSULTANCY** 

**CUSTOMER'S** 

NEEDS

**INSTALLATION & COMMISSIONING** 

- Rapid response engineering team available 24/7/365.
- Dedicated factory spare-parts stock.
- Lean techniques to reduce MTTR.

#### Power, Control & Safey and Energy Efficiency solutions

## Managing power and protecting individuals & property

As a leading manufacturer of power switching and changeover products, SOCOMEC also offers solutions for fuse protection, electronic protection and insulation control.

Take advantage of a leading manufacturer's expertise for:

- secured high quality energy continuity,
- protection of personnel & assets,
- optimal electrical networks.

We offer standard or tailor-made solutions and specialized services that are adapted to all your applications.

#### Managing your energy costs

Power consumption measuring, getting the best tariffs, verifying energy bills, limiting reactive energy... These are the real stakes for your installation's energy performance!

We offer the best-designed solutions (instrumentation, software packages and services) to help you get concrete and durable results.



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