

Parallel systems

To fulfil the most demanding needs for power supply availability, flexibility and the installation to be upgraded.

- Modular parallel configurations up to 4MW, development without constraint.
- Distributed or centralized bypass flexibility to ensure a perfect compatibility with the electrical infrastructure.
- Twin channel architecture with Static Transfer Systems.
- Distributed or shared battery for energy storage optimization on parallel systems.

Standard electrical features

- Integrated maintenance bypass for single unit (and 1+1 system).
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.
- Redundant cooling.
- Battery temperature sensor.

Electrical options

- Separated or common input mains.
- External maintenance bypass.
- Extended battery charger capability.
- Shared battery.
- Compatible with different battery technologies (e.g. Li-Ion, Ni-Cd...).
- Galvanic isolation transformer.
- Backfeed isolation device.
- ACS synchronisation system.
- BCR (Battery Capacity Re-injection).
- FAST ECOMODE.

Technical data

DELPHYS GP										
Sn [kVA]	160	200	250	300	400	500	600	800	1000	
Pn [kW]	160	200	250	300	400	500	600	800	1000	
Input/output	3/3									
Parallel configuration	up to 4 MW									
INPUT										
Rated voltage	400 V 3ph									
Voltage tolerance	200 V to 480 V ⁽¹⁾									
Rated frequency	50/60 Hz									
Frequency tolerance	± 10 Hz									
Power factor / THDI	> 0.99 / < 2.5% ⁽³⁾									
OUTPUT										
Power factor	1 (according to IEC/EN 62040-3)									
Rated voltage	3ph + N 400 V									
Voltage tolerance static load	±1 % dynamic load in accordance with VFI-SS-111									
Rated frequency	50/60 Hz									
Frequency tolerance	± 2% (configurable for GenSet compatibility)									
Total output voltage distortion linear load	ThdU < 1.5%									
Total output voltage distortion non-linear load (IEC 62043-3)	ThdU < 3%									
Short-circuit current ⁽²⁾	up to 3.4 x In									
BYPASS										
Rated voltage	rated output voltage									
Voltage tolerance	± 15% (configurable from 10% to 20%)									
Rated frequency	50/60 Hz									
Frequency tolerance	± 2% (configurable for GenSet compatibility)									
EFFICIENCY										
Online mode @ 40 % of load	up to 96%									
Online mode @ 75 % of load	up to 96%									
Online mode @ 100 % of load	up to 96%									
Fast EcoMode	up to 99%									
ENVIRONMENT										
Operating ambient temperature	from 0 °C up to +40 ⁽¹⁾ °C (from 15 °C to 25 °C for maximum battery life)									
Relative humidity	0 % - 95 % without condensation									
Maximum altitude	1000 m without derating (max. 3000 m)									
Acoustic level at 1 m (ISO 3746)	< 65 dBA	< 67 dBA	< 70 dBA			< 72 dBA		< 74 dBA		
UPS CABINET										
Dimensions	W	700 mm		1000 mm		1400 mm	1600 mm	2800 mm	3510 mm	3910 mm
	D	800 mm		950 mm		800 mm	950 mm	950 mm		
	H			1930 mm					2060 mm	
Weight	470 kg	490 kg	850 kg	900 kg	1000 kg	1500 kg	2300 kg	2800 kg	3850 kg	
Degree of protection	IP20 (other IP as option)									
Colours	cabinet: RAL 7012, door: silver grey									
STANDARDS										
Safety	IEC/EN 62040-1, AS 62040.1.1, AS 62040.1.2									
EMC	IEC/EN 62040-2, AS 62040.2									
Performance	IEC/EN 62040-3, AS 62040.3									
Seismic compliance ⁽⁴⁾	Uniform Building Code UBC-1997, EN 60068-3-3/1993 (seismic), EN 60068-2-6/2008 (sinusoidal), EN 60068-2-47/2005 (mounting).									
Product declaration	CE, RCM (E2376)									

(1) Conditions apply. (2) Worst condition (Auxiliary Mains not available). (3) With input THDI < 1%. (4) 160, 200 and 500 kVA/kW models.

Standard communication features

- User-friendly 7" touch-screen multilingual colour graphic display.
- 2 slots for communication options.
- USB port to download UPS report and log file.
- Ethernet port for service purpose.

Communication options

- Dry-contact interface (configurable voltage-free contacts).
- MODBUS RTU RS485 or MODBUS TCP.
- PROFIBUS / PROFINET gateway.
- BACnet/IP interface.
- NET VISION: professional WEB/SNMP Ethernet interface for secure UPS monitoring and remote automatic shutdown.
- REMOTE VIEW PRO supervision software.
- IoT gateway for Socomec cloud services and SOLIVE UPS mobile app.
- Remote touch-screen panel.
- Additional Com-slot extension.

Remote monitoring and cloud services

- LINK-UPS: Socomec 24/7 remote monitoring service connecting your installation to the nearest Socomec Service Centre.
- SOLIVE UPS: mobile app enabling the monitoring of the UPS systems from a smartphone.