

# Technical Specifications-UPS for long autonomy >= 3h

MODEL	6 1 ph	10 1 ph	15 1 ph	10 3 ph	15 3 ph	20 3 ph	30 3 ph	40 3 ph	60 3 ph	80 3 ph	100 3 ph	
<b>INPUT</b>												
Normal voltage	380 - 400 - 415 Vac 3 ph + N											
Nominal frequency	50/60 Hz											
Frequency tolerance	40 - 72 Hz											
<b>OUTPUT</b>												
Nominal power (kVA e kW)	6	10	15	10	15	20	30	40	60	80	100	
Active power (kW)	5,4	9	13,5	9	13,5	18	27	36	54	72	90	
Power factor	0,9											
Number of phases	1			3 + N								
Nominal voltage	220 - 230 - 240 Vac 1 ph			380 - 400 - 415 Vac 3 ph + N								
Static variation	± 1%											
Dynamic variation	± 3%											
Crest factor	3 : 1 Ipeak/Irms											
Voltage distortion	≤ 1% with linear load / ≤ 3% with non-linear load											
Frequency	50/60 Hz											
Frequency stability during battery operation	0,05%											
Overload	120% continuous @ Pf 0,9											
<b>BYPASS</b>												
Nominal voltage	220 - 230 - 240 Vac 1 ph			380 - 400 - 415 Vac 3 ph + N								
Number of phases	1			3								
Voltage tolerance	± 5% ÷ ± 25%											
Nominal frequency	50 or 60 Hz (selectable)											
Frequency tolerance	± 1% ÷ ± 6%											
<b>BATTERY</b>												
Type	VRLA AGM/GEL; NiCd; Li-ion 10 years (external)											
Recharge time	80% of full autonomy in 12 hours											
Typical recharge current	0,2 x C <sub>10</sub>											
Temperature compensation	-0,5 V/°C											
<b>GENERAL</b>												
Weight without batteries (kg)	200	220	230	241	256	315	335	460	540	600	610	
Dimensions (WxDxH) (mm)	555 x 740 x 1400						800 x 740 x 1400		800 x 800 x 1900			
Communications	2 slots for communications interface / 2 RS232 / dry contacts											
Operating temperature	0°C / + 40°C											
Relative humidity	90% non-condensing											
Colour	Dark grey RAL 7016											
Noise level at 1 m	60 dBA					62dBA			65 dBA	68 dBA		
IP rating	IP20											
Efficiency	up to 98%											
Standards	EN 50171 - European Directives: L V 2006/95/CE low voltage Directive EMC 2004/108/CE electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification in accordance with IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111											

Note: Products specifications are subject to change without further notice



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## POWER CPS

6-15 kVA monophase/monophase threephase/monophase  
10 – 100 kVA threephase/threephase



+ EMERGENCY DEVICES

+ INDUSTRIAL APPLICATION

+ TRANSPORT

+ ALARM DEVICES



Smart Energy  
Solutions



# Product overview



**+ HIGH PERFORMANCE**

**+ HIGH OVERLOAD CAPACITY**

**+ SMART MAINTENANCE MANAGEMENT**

**+ SHORTER RECHARGING TIME**



**HIGH PERFORMANCE**

Power CPS is the best solution for emergency and alarm devices power supply. This equipment could be wired to ensure an excellent operation of all the safety equipments like smoke alarms, CO detectors, emergency lighting and signs.



**SHORTER RECHARGING TIME**

Smart battery management system allows to achieve the best performance, extending the lifetime of the equipment and optimizing charging time. The automatic adjustment of the charging voltage according to the detected temperature prevents overheating and overcharges.



**SMART MAINTENANCE MANAGEMENT**

This product is equipped with a double input that allows a simplified and safe periodical maintenance of the UPS: that's because the maintenance work is carried out leaving active the bypass line, which continues load supporting.



**HIGH OVERLOAD CAPACITY**

Power CPS has an high overload capacity without time limit until 120% of nominal power. In this way, it becomes a wide power reserve.

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Normal voltage	220 - 230 - 240 Vac 1 ph 380 - 400 - 415 Vac 3 ph + N				380 - 400 - 415 Vac 3 ph + N							
Nominal frequency	50/60 Hz											
Frequency tolerance	40 - 72 Hz											
<b>OUTPUT</b>												
Nominal power (kVA e kW)	6	10	15	10	15	20	30	40	60	80	100	
Active power (kW)	5,4	9	13,5	9	13,5	18	27	36	54	72	90	
Power factor	0,9											
Number of phases	1			3 + N								
Nominal voltage	220 - 230 - 240 Vac 1 ph			380 - 400 - 415 Vac 3 ph + N								
Static variation	± 1%											
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Crest factor	3 : 1 Ipeak/Irms											
Voltage distortion	≤ 1% with linear load / ≤ 3% with non-linear load											
Frequency	50/60 Hz											
Frequency stability during battery operation	0,05%											
Overload	120% continuous @ Pf 0,9											
<b>BYPASS</b>												
Nominal voltage	220 - 230 - 240 Vac 1 ph			380 - 400 - 415 Vac 3 ph + N								
Number of phases	1			3 + N								
Voltage tolerance	180 - 264 V (selectable)											
Nominal frequency	50 or 60 Hz (selectable)											
Frequency tolerance	± 5 (selectable)											
<b>BATTERY</b>												
Type	VRLA AGM/GEL 10 years, max 80 x 9 Ah (internal)						VRLA AGM/GEL 10 years (external)					
Recharge time	80% of full autonomy in 12 hours											
Max recharge current	6 A				10 A			20 A		25 A		
Temperature compensation	-0,5 V/°C											
<b>GENERAL</b>												
Weight without batteries (kg)	105	110	120	110	120	135	145	190	200	220	250	
Dimensions (WxDxH) (mm)	440 x 850 x 1320							500 x 850 x 1600			650 x 840 x 1600	
Communications	3 slots for communications interface / USB / RS232											
Operating temperature	0°C / + 40°C											
Relative humidity	90% non-condensing											
Colour	Dark grey RAL 7016											
Noise level at 1 m	< 52 dBA				< 48 dBA			< 56 dBA	< 58 dBA	< 63 dBA		
IP rating	IP20											
Efficiency	up to 99%											
Standards	EN 50171 - European Directives: L V 2006/95/CE low voltage Directive EMC 2004/108/CE electromagnetic compatibility Directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification in accordance with IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111											

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