

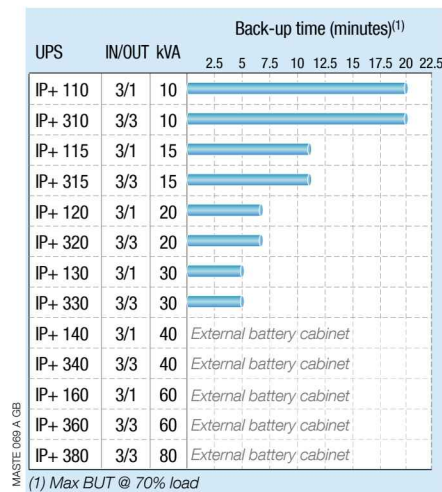
For industrial loads

- 100 % non-linear loads.
- 100 % unbalanced loads.
- 100 % "6-pulse" loads (motor speed drivers, welding equipment, power supplies...).
- Motors, lamps, capacitive loads.

Standard electrical features

- Dual input mains.
- Internal maintenance bypass.
- Backfeed protection: detection circuit.
- EBS (Expert Battery System) for battery management.

UPS and batteries



Technical data

MASTERYS IP+ 10-80								
Sn [kVA]	10	15	20	30	40	60	80	
Pn [kW] - 3/1	9	13.5	18	27	32	48	-	
Pn [kW] - 3/3	9	13.5	18	27	36	48	64	
Parallel configuration ⁽¹⁾	up to 6 units							
INPUT								
Rated voltage	400 V							
Voltage tolerance	± 20% ⁽²⁾ (up to -40% @ 50% of rated power)							
Rated frequency	50/60 Hz							
Frequency tolerance	± 10%							
Power factor / THDI ⁽³⁾	0.99 / < 3%							
OUTPUT								
Rated voltage	1ph + N: 230 V (can be configured 220/240 V) 3ph + N: 400 V (380/415 V configurable)							
Voltage tolerance	± 1%							
Rated frequency	50/60 Hz							
Frequency tolerance	± 2% (configurable from 1% to 8% with generating set)							
Total output voltage distortion - linear load	< 1%							
Total output voltage distortion - non-linear load	< 5%							
Overload	125% for 10 minutes, 150% for 1 minute ⁽²⁾							
Crest factor	3:1 (complying with IEC 62040-3)							
BYPASS								
Rated voltage	1ph + N: 230 V, 3ph + N: 400 V							
Voltage tolerance	± 15% (configurable from 10% to 20% with generating set)							
Rated frequency	50/60 Hz							
Frequency tolerance	± 2% (configurable from 1% to 8% with generating set)							
ENVIRONMENT								
Operating ambient temperature	from 0 °C up to +50 °C ⁽²⁾ (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)	< 52 dBA		< 55 dBA		< 65 dBA			
UPS CABINET								
Dimensions (3/1) W x D x H	600 x 800 x 1400 mm				1000 x 835 x 1400 mm	-		
Dimensions (3/3) W x D x H	600 x 800 x 1400 mm					1000 x 835 x 1400 mm		
Weight (3/1)	230 kg	250 kg	270 kg	330 kg	490 kg	540 kg	-	
Weight (3/3)	230 kg	250 kg	270 kg	320 kg	370 kg	500 kg	550 kg	
Degree of protection (according to IEC 60529)	IP31 and IP52					IP31		
Colours	RAL 7012							
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							
Product declaration	CE, RCM (E2376)							

(1) With transformer on input/bypass side. - (2) Conditions apply.

(3) At source THDI < 2% and nominal load.

Electrical options

- Long-life batteries.
- External battery cabinet (degree of protection up to IP32).
- External temperature sensor.
- Additional battery chargers.
- Additional transformer.
- Parallel kit.
- Cold start.
- ACS synchronization system.
- Neutral creation kit for mains without neutral.
- Tropicalization and anti-corrosion protection for electrical boards.

Standard communication features

- Multilanguage graphic display.
- MODBUS RTU.
- Dry-contact interface (configurable voltage-free contacts).
- Ethernet interface for UPS monitoring via WEB pages.

Communication options

- 2 slots for communication options.
- 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 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.