

Standard electrical features

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

Standard communication features

- Multilanguage graphic display.
- Dry contact interface.
- RS 232/485.
- MODBUS/JBus.

Electrical options

- EPO (emergency power off).
- Additional transformer.
- Parallel kit.

Technical data

MASTERYS IP+ 80-120			
Rated Power (kVA)	80	100	120
RECTIFIER INPUT			
Input voltage (VAC)	3Ph 380/400		
Voltage range	+15% -10% (full operating capacity)		
Power factor	> 0.7 (12-pulse)		
BYPASS			
Bypass input voltage (VAC)	1Ph 220/230		
Bypass input frequency (Hz)	50/60		
BATTERY			
Battery voltage (VDC) nominal	360		
INVERTER			
Output voltage (VAC)	1Ph 220/230		
Output frequency (Hz)	50/60		
Pn (KW)	64	80	96
AC waveform Sinewave with voltage	Precision <1%		
Overload at 125% / 150%	10/1 min		
CABINET			
Dimensions WxDxH	2400 x 800 x 2200 mm		
Weight max (kg)	1300	1400	1600
Protection class	standard IP31		
Cabinet thickness	2.5 mm (frame), 2.0 mm (door)		
Input/output connections	Bottom cable in/out		
Colour	RAL7035		
ENVIRONMENT			
Operating temperature	0-40		
Relative humidity	10-95% (without condensation)		
Noise at 1 m(dBA)	< 65		
AC-AC Efficiency	up to 90%		
STANDARDS			
Safety	IEC62040-1		
EMC	IEC62040-2		
Performance	IEC62040-3		