

INPUT	
Voltage	380 / 400 / 415 V three-phase + N or 220 / 230 / 240 V single-phase + N
Voltage tolerance	230 / 400 V $\pm 20\%$ @ full load (for wider tolerance conditions apply)
Frequency tolerance	40 - 72 Hz
Power factor	$\geq 0.99$

BY PASS	
Rated voltage	220 / 230 / 240 V single-phase + N
Voltage tolerance	From 180 V (adjustable 180-200) to 264 V (adjustable 250-264)
Rated frequency	50 or 60 Hz
Frequency tolerance	$\pm 5\%$ (selectable)
Number phases	1 + N

OUTPUT and INVERTER OUTPUT	
Rated power	20000 VA
Active power	20000 W
Power according with EN 50171	16000 VA / W
Rated voltage	220 / 230 / 240 V single-phase + N
Number phases	1 + N
Crest factor (I <sub>peak</sub> /I <sub>rms</sub> )	3 : 1
Waveform	Sinusoidal
Static stability	$\pm 0.5\%$
Dynamic stability	EN 62040-3 class performance 1 non-linear load
Frequency	50 or 60 Hz (adjustable)
Voltage distortion with non-linear load	$\leq 1.5\%$
Voltage distortion with linear load	$< 1\%$

BATTERIES	
Type	VRLA - 10 YEARS expected lifespan
Type of charging	One level, Two level, Cyclic recharge (selectable)

ENVIRONMENTAL	
Color	RAL 7016 Anthracite grey
Communication	Status led – Color graphic touch screen display - 2 communication interface slots – USB -RS232 - 4 relay outputs - 5 opto-isolated input
Protection rating	IP20
Line-Interactive/Smart Active efficiency	Up to 99%
Noise (at 1 m)	$< 40$ [dBA $\pm 2$ ] (SMART ACTIVE)
Remote signals	voltage free contacts
Operating temperature	0 °C - +40 °C
Relative humidity	5-95% non-condensing
Standards	EN 50171 - European directives: L V 2014/35/EU low voltage; EMC 2014/30/EU electromagnetic compatibility -- Directive and Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2; RoHS compliant -- Classification in accordance with IEC 62040-3 VFI - SS - 111

DATA	
Weight	107 kg
Dimensions (h w d)	1320x440x840 mm