

INPUT	
Voltage	220 / 230 / 240 V single-phase + N and 380 / 400 / 415 V three-phase + N
Voltage tolerance	230 / 400 V $\pm 20\%$ @ full load
Frequency tolerance	40 - 72 Hz
Power factor	0.99 @ full load
Current distortion	THDI $\leq 3\%$

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) referring to neutral
Rated frequency	50 or 60 Hz (selectable)
Frequency tolerance	$\pm 5\%$ (selectable)
Number phases	1 + N

OUTPUT and INVERTER OUTPUT	
Rated power	20000 (for the single module) VA
Active power	20000 (for the single module) W
Rated voltage	220 / 230 / 240 V single-phase + N (selectable)
Number phases	1 + N
Static stability	$\pm 0.5\%$
Dynamic stability	EN 62040-3 class performance 1 non-linear load
Frequency	50 or 60 Hz
Frequency on battery operation	0.01%
Voltage distortion with non-linear load	$\leq 1.5\%$

BATTERIES	
Type	VRLA AGM/GEL/NiCd/Li-ion/SuperCaps
Type of charging	One level, Two level, Cyclic recharge (selectable)

ENVIRONMENTAL	
Color	RAL 9005
Protection rating	IP20
Noise (at 1 m)	< 40 [dBA ± 2] (SMART ACTIVE) for the single power module
Operating temperature	0 °C - +40 °C
Storing temperature	+20 °C - +25 °C
Relative humidity	5-95% non-condensing
Standards	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	41 (for the single module) kg
Dimensions (h w d)	397(9U) x 445(19") x 664 (for the single module) mm