

Technical specifications



MODEL	ST010M		ST012M		ST015M		ST020M	
INPUT								
Rated Voltage	380-400-415 Vac three phases with neutral / 220-230-240 singlephase							
Voltage range	320-480V @ 100% load; 240-480V @ 50% load (3ph) 184-276V @ 100% load; 140-276V @ 50% load (1ph)							
Rated frequency	50/60 Hz							
Frequency range	40 ÷ 72 Hz							
Power factor at full load	0.99							
Current distortion	THDI ≤ 3%							
BYPASS								
Rated voltage	220-230-240 Vac single phase with neutral							
Voltage tolerance	180 ÷ 264 V (selectable)							
Rated frequency	50/60 Hz (selectable)							
Frequency tolerance	±5 (selectable)							
OUTPUT								
Rated power (kVA)	10		12		15		20	
Active power (kW)	9		10.8		13.5		18	
Power factor	0.9							
Rated voltage	220-230-240 Vac (selectable) single phase with neutral							
Static stability	± 1%							
Dynamic stability	± 3%							
Crest factor	3: 1							
Voltage distortion	≤ 1% with linear load / ≤ 3% with not linear load							
Frequency	50/60 Hz							
Frequency stability	0.01%							
Overload	110% for 10 minutes, 133% for 1 minute, 150% for 5 seconds							
BATTERIES								
Number of batteries	40 batt. 12V (internal up to 2 strings of 9 Ah)							
Type	VRLA AGM/GEL; Ni-Cd; WET TYPE							
Recharging time	6 h							
GENERAL								
Weight with internal batteries	315		320		325		330	
Dimensions (HxLxD mm)	1320x440x850							
Communication	USB - RS232 - SNMP Agent - MODBUS – PROFIBUS - Relay							
Operating temperature	0°C / +40°C							
Relative humidity	90% without condensing							
Color	Dark Grey RAL 7016 + Light Grey RAL 7012							
Noise at 1 m	< 48 dBA				< 52 dBA			
Protection degree	IP20							
Efficiency	93,3%		93,5%		93,8%		94%	
Standards	<ul style="list-style-type: none">• European directive: L V 2006/95/CE Low voltage directive; EMC 2004/108/EC Electromagnetic compatibility directive• Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2• Classification according to IEC 62040-3 (Voltage Frequency Independent) VFI - SS - 111							

Note: UPS specification and data are subject to change without notice