

Model	HY100	HY120	HY160	HY200	HY250	HY300
<b>Input</b>						
Input nominal voltage	3Ph+N 380/400/415V					
Input nominal frequency	50 or 60 Hz					
Input frequency range	40 ÷ 70 Hz					
Power factor	0.99					
Soft start	0 ÷ 100% in 30 sec					
Backfeed protection	standard for Plus version					
Input current distortion	THDi ≤ 2,5%					
<b>Automatic Bypass</b>						
Bypass nominal voltage	3Ph 380/400/415 V					
Bypass nominal frequency	50 or 60 Hz					
<b>Output</b>						
Output nominal power KVA	100	120	160	200	250	300
Output active power KW	100	120	160	200	250	300
Output nominal voltage	3Ph+N 380/400/415V					
Output static voltage stability	± 1%					
Output dynamic voltage stability	± 5%					
Crest factor	3:1					
Output voltage distortion (linear load)	≤ 1%					
Output voltage distortion (non linear load)	≤ 5%					
Output nominal frequency	50 Hz or 60 Hz					
Output frequency stability	0.005%					
<b>Battery</b>						
Battery type	VRLA AGM or VRLA GEL					
Max charging current	25% nominal power					
Battery charging profile	DIN 41733 Temperature compensated					
<b>Communication</b>						
Remote signals	EPO remoto - ByPass esterno					
Communication interface	Serial RS232/RS485 Modbus, Dry contacts					
Options	IP network SNMP/HTTP/MODBUS					
<b>Mechanical data</b>						
Protection	IP 20					
Dimensions mm	558x838xh1804		800x838xh1804		1035x838xh1804	
Weight Kg	490	520	690	740	870	950
Noise at 1 m dBA	62		63		64	
Storing temperature	-20°C ÷ +70°C (UPS) +20°C ÷ +30°C (Battery)					
Working environment temperature	+20°C ÷ +40°C					
Relative humidity	95% non condensing					
Altitude	1000 m slm (1% derating every 100 m up to 2000 m)					
Cooling	forced air controlled speed					
<b>General</b>						
UPS efficiency	97% on-line; 99,5% eco-mode					
Overload	125% 15 min; 150% 60 sec					

**Standards**

Directives: LV 2006/95/CE Low Voltage Directive · EMC 2004/108/CE Electromagnetic Compatibility Directive  
Standards: Safety IEC EN 62040-1 · EMC IEC EN 62040-2 · IEC 62040-3