

Rated power (kVA/kW)	160/144	200/180	320/288	400/360	480/432	600/540	640/576	800/720	1000/900
Normal AC supply input									
Input voltage (V)	250 – 600 V								
Normal and bypass AC inputs	Single input or dual input as standard								
Frequency (Hz)	40 – 70 Hz								
Input power factor	0.99								
THDI	< 3% full load								
Bypass AC input									
Input voltage range	342 – 457 V								
Frequency	50 Hz or 60 Hz								
Output									
Phase-to-phase output voltage (V)	380/400/415 V								
Load power factor	0.9 (0.7 leading to 0.5 lagging without de-rating)								
Output frequency	50/60 Hz +/- 0.1% (free-running)								
Overload capacity utility operation at 40 °C	150% for 1 minute and 125% for 10 minutes								
Output voltage regulation	+/- 1%								
Total harmonic distortion (THDU)	< 2% at 100% linear load; < 3% at 100% nonlinear load								
Output voltage tolerance	Symmetric load (0 – 100%): +/- 1% static; asymmetric load: +/- 3% static								
Overall efficiency									
ECONversion mode (meets EN62040-3 Class 1)	Up to 99% (meets EN62040-3 Class 1)								
Efficiency at full load (AC-AC) at 100% load	Up to 96.5%								
Standard ECO mode	Up to 99%								
Communication and management									
Control panel	Multifunction 7" touch-screen color LCD display with built-in NMC, modbus (SCADA and ION-E), two empty NMC card slots								
Dimensions and weights									
UPS (H x W x D) mm	1970 x 1052 x 854		1970 x 2104 x 854		1970 x 3156 x 854		1970 x 4208 x 854		1970 x 5260 x 854
Weight in kg. (UPS) (total -power cabinet plus I/O cabinet)	699	724	1398	1448	2097	2172	2796	2896	3620
Regulatory									
Safety	IEC 62040-1								
EMC/EMI/RFI	IEC 62040-2								
Markings	CE,C-Tick								
Performance	IEC 62040-3, VFI -SS -111								
Transportation	ISTA 2B								
Seismic zone	IBC Level 2:2006								
Environmental									
Operating temperature	0 °C – 40 °C°								
Storage temperature	-25 °C to 55 °C — without batteries -15 °C to 40 °C — with batteries								
Relative humidity	0% – 95% non-condensing								
Operating elevation	1,000 m. at 100% load								
Storage elevation	0 – 15,000 m								
Max. audible noise at 1 m from unit	55 dB at 70% load, 65 dB at 100% load								

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