

INPUT	
Rated power	500000 VA
Voltage	380 / 400 / 415 V three-phase
Voltage tolerance	400 V \pm 20% @ full load
Frequency	40 - 70 Hz
Power factor	0.99
Current distortion	<3%
Soft start	0 - 100% in 120 sec. (selectable)

BY PASS	
Rated voltage	380 / 400 / 415 V three-phase + N
Voltage tolerance	\pm 20% (selectable from \pm 5% to \pm 25%)
Rated frequency	50 or 60 Hz (selectable)
Frequency tolerance	\pm 2% (selectable from \pm 1% to \pm 5%)
Rated current	722 A
Back-feed protection	yes
Overload capacity Inx10ms	13

OUTPUT and INVERTER OUTPUT	
Rated power	500000 VA
Active power	500000 W
Output Voltage	380 / 400 / 415 V three-phase + N (selectable)
Waveform	Sinewave
Static stability	\pm 1%
Dynamic stability	\pm 5% in 10 msec.
Frequency	50 or 60 Hz (selectable)
Voltage distortion with non-linear load	<3%
Voltage distortion with linear load	<1%
Overload	110% for 60 minutes, 125% for 2 minutes, 150% for 20 seconds
Short-circuit current	2.5 In for 100 msec, + 2.0 In for 900 msec.
AC Voltage Regulation: Battery Mode	\pm 1%
Frequency Range: Synchronized	\pm 2% selectable

RECTIFIER OUTPUT	
Ripple	0

BATTERIES	
Type	VRLA AGM / GEL, NiCd, Supercaps, Li-ion, Flywheels
Maximum recharge current	-0.11% x V x °C

ENVIRONMENTAL	
Altitude max	1000 m max. elevation
Color	Dark grey RAL 7016
Remote controls	EPO, bypass battery charge block (configurable)
Communication	USB + Dry contacts + 2 slots for communications interface
Safety compliance	EN 62040-1:2019; EN 62040-1/AC:2009;
EMC compliance	EN 62040-2:2018
Protection rating	IP20 (other on request)
Cooling (type)	Forced air via speed controlled internal fans
AC/AC efficiency	up to 97% (ON LINE Mode)
Line-Interactive/Smart Active efficiency	up to 99%
Noise (at 1 m)	65 [dBA] (50% load), 73 [dBA] (100% load)
Operating temperature	0 °C - +40 °C
Relative humidity	5-95% non-condensing

DATA	
Weight	1300 kg

NextEnergy NXE
NXE 500



Dimensions (h w d)	1900x1600x850 mm
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