

Specifications

MODEL	EA9910	EA9920	EA9930	EA9940	EA9960	EA9980	EA99100	EA99120
Capacity	10 KVA 9 KW	20 KVA 18 KW	30 KVA 27 KW	40 KVA 36 KW	60 KVA 54 KW	80 KVA 72 KW	100 KVA 90 KW	120 KVA 108 KW
INPUT								
Rated voltage	380 V / 400 V / 415 Vac							
Voltage range	204 – 242 Vac (load ≤ 50%); 242 – 305 Vac (50% < load ≤ 70%); 305 – 520 Vac (70% < load ≤ 100%)							
Rated frequency	50 / 60 Hz (auto-sense)							
Frequency range	40 ~ 70 Hz							
Power factor	≥ 0.99							
Total harmonic distortion (THDI)	≤ 3%							
Bypass voltage range	Rated output voltage –40% ~ rated output voltage +20% (settable via LCD)							
OUTPUT								
Voltage	380 V / 400 V / 415 Vac							
Voltage regulation	± 1%							
Frequency	Synchronized with utility in mains mode; Frequency conversion mode: 50 Hz input and 60 Hz output or 60 Hz input and 50 Hz output 50 / 60 Hz in battery mode							
Waveform	Sinusoidal							
Crest factor	3:1							
Total harmonic distortion (THDV)	≤ 1% (linear load); ≤ 5% (non-linear load)							
Transfer time	0 ms							
Inverter overload capability	102% ~ 127%: transfer to bypass in 10 mins; 127% ~ 150%: transfer to bypass in 1 min; > 150%: transfer to bypass in 0.5 s							
Bypass overload capability	≤ 150%: long time running > 150%: shut down in 10 s							
BATTERIES								
DC voltage	± 192 V (options: ± 204 V / ± 216 V / ± 228 V / ± 240 V)							
Inbuilt battery of standard model	32 x 12 V / 9 Ah	64 x 12 V / 9 Ah	No					
Charging current	1 – 12 A (settable via LCD)		1 – 24 A (settable via LCD)			1 ~ 24 A (settable via LCD) 1 ~ 48 A (optional)		
SYSTEM								
Efficiency	≥ 93%, ECO mode 98.5%							
Display panel	5.7 Inches LCD touch screen							
Alarm	Battery mode, low battery, fans fault etc							
Max. parallel numbers	4							
EMI	EN62040-2							
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (surge)							
COMMUNICAITONS								
RS232/RS485/USB/dry contacts (standard)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10							
SNMP (optional)	Power management from SNMP manager and web browser							
OTHERS								
Humidity	0 ~ 95% RH @ 0 ~ 40°C (non-condensing)							
Noise level	≤ 60 dB							
Dimensions (W x D x H) (mm)	600 x 800 x 1360				600 x 800 x 1680			
Packaged dimensions (W x D x H) (mm)	720 x 920 x 1500				720 x 920 x 1820			
Net / Gross weight (kg) Without inbuilt battery	180 / 200	186 / 205	188 / 210	227 / 245	231 / 250	316 / 376	354 / 414	

- All specifications subject to change without notice.
- Custom-made specifications are acceptable.