

MODEL	EA8910	EA8915	EA8920	EA8930	EA8940	EA8960	EA8980	EA89100	EA89120
Capacity	10 kVA/	15 kVA/	20 kVA/	30 kVA/	40 kVA/	60 kVA/	80 kVA/	100 kVA/	120 kVA/
	9 kW	13.5 kW	18 kW	27 kW	36 kW	54 kW	72 kW	90 kW	108 kW
INPUT									
Input wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Voltage range	± 25%								
Rated frequency	50 / 60 Hz								
Frequency range	50 / 60 Hz ± 5 Hz								
Power factor	≥ 0.95 (with filter)								
Bypass voltage range	± 20% (settable)								
Delayed start of rectifier	1 ~ 300 s (settable via display panel)								
ECO voltage range	± 10% (settable)								
OUTPUT									
Output wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Output voltage regulation	± 1%								
Output frequency regulation	50 / 60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	≤ 1% (linear load), ≤ 5% (non-linear load)								
Crest factor	3:1								
Transfer time	AC mode to battery mode: 0 ms								
	Inverter mode to bypass mode: 0 ms								
	Inverter mode to ECO mode: 5 ~ 10 ms								
Overload	105%: long time running, 105% ~ 110% for 1h,								
	110% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200 ms, > 200% for 100 ms								
BATTERIES									
DC Voltage	12 V × configured battery number (settable via display panel)								
Number of batteries	28 ~ 32 pcs (settable)								
Charging current	10 A default / Settable								
Charging	Three-stage charging, auto switch floating / equalizing charge								
Battery self-test	Settable periodic self-test; manually configurable test time and voltage								
SYSTEM									
Efficiency	In line mode: Max. 93%; ECO mode: ≥ 98%								
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overvoltage, undervoltage, low battery, overtemperature, fan failure								

Communications	RS232 / RS485 / dry contacts (standard), SNMP (optional)								
EMI	EN62040-2								
EMS	IEC61000-4-2(ESD)								
	IEC61000-4-3(RS)								
	IEC61000-4-4(EFT)								
	IEC61000-4-5(surge)								
OTHERS									
Operating temperature	0 ~ 40°C								
Storage temperature	-25°C ~ 55°C (without batteries)								
Relative humidity	0 ~ 95% (non-condensing)								
Altitude	≤ 1000 m (derating 1% for each additional 100 m)								
IP rating	IP 20								
Noise level at 1 m	55 dB			60 dB			65 dB		
Dimensions (W×D×H) (mm)	400 × 800 × 1100			600 × 700 × 1500			700 × 800 × 1700		
Packaged dimensions (W × D × H) (mm)	490 × 920 × 1300			700 × 800 × 1650			800 × 900 × 1850		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720