

MODEL	EA89160i	EA89200i	EA89250i	EA89300i	EA89400i	EA89500i
Capacity	160 kVA / 144 kW	200 kVA / 180 kW	250 kVA / 225 kW	300 kVA / 270 kW	400 kVA / 360 kW	500 kVA / 450 kW
INPUT						
Input wiring	Three-phase five-wire (3Φ + N + PE)					
Rated voltage	380 / 400 / 415 Vac					
Voltage range	304 ~ 346 V (derating 10%), 346 ~ 456 V (full load)					
Rated frequency	50 / 60 Hz					
Frequency range	(50 / 60) ± 5 Hz					
Power factor	≥ 0.99					
Total harmonic distortion (THDi)	≤ 3%					
Delayed start of rectifier	10 s (1 ~ 300 settable)					
Bypass voltage range	± 20% (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)	≤ 2% (linear load), ≤ 5% (non-linear load)					
Crest factor	3:1					
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min, 125% ~ 150% for 1 min, 150% ~ 200% for 200ms					
BATTERIES						
DC voltage	Lead acid battery: 600 Vdc Lithium iron phosphate battery: 614.4 Vdc					
Number of batteries	Lead acid battery: 12 V x 50 pcs (48~52 pcs settable) Lead acid battery: 2 V x 300 pcs (288~312 pcs settable) Lithium iron phosphate battery: 3.2 V x 192 pcs (192/208 pcs settable)					
Charging current	Charging rate (settable) × battery capacity (settable) × number of battery groups (settable)					
SYSTEM						
Efficiency	Line mode ≥ 94%, ECO mode ≥ 98%					
Max. number of parallel connections	6					
Protections	Short-circuit, overload, overtemperature, overvoltage, undervoltage, battery low voltage and fan failure					
Communications	Standard configuration: RS232, RS485, dry contacts Optional configuration: SNMP card, temperature compensation, SMS alarms					
Display	7 inches LCD touchscreen					
OTHERS						
Operating temperature	0 ~ 40°C					
Storage temperature	- 25°C ~ 55°C (without battery)					
Relative humidity	0% ~ 95% (non-condensing)					
Altitude	≤1000 m. Above 1000 m, derating 1% for each additional 100 m					
IP rating	IP 20					
Noise level at 1 m	< 65 dB				< 70 dB	
Dimensions (W × D × H) (mm)	800 × 860 × 1700	1210 × 860 × 1950			2380 × 860 × 1950	
Packaged dimensions (W × D × H) (mm)	900 × 1000 × 1950	1300 × 1000 × 2200			1300 × 1000 × 2200 (× 2)	
Net weight (kg)	790	1135	1275	1355	2090	2300
Gross weight (kg)	840	1200	1340	1420	2200	2410