

## Specifications

| MODEL  | EA89160  | EA89200            | EA89250           | EA89300           | EA89400                  | EA89500           |
|--|--|--------------------|-------------------|-------------------|--------------------------|-------------------|
| Capacity                                     | 160 KVA<br>144 KW  | 200 KVA<br>180 KW  | 250 KVA<br>225 KW | 300 KVA<br>270 KW | 400 KVA<br>360 KW        | 500 KVA<br>450 KW |
| <b>INPUT</b>                                 |  |                    |                   |                   |                          |                   |
| Rated voltage                                | 380 V / 400 V / 415 Vac  |                    |                   |                   |                          |                   |
| Voltage range                                | 346 V – 456 V ( full load)<br>304 V – 346 V (power derating 10%)   |                    |                   |                   |                          |                   |
| Rated frequency                              | 50 / 60 Hz   |                    |                   |                   |                          |                   |
| Frequency range                              | 50 / 60 Hz ± 5 Hz  |                    |                   |                   |                          |                   |
| Power factor                                 | ≥ 0.99   |                    |                   |                   |                          |                   |
| Total harmonic distortion (THDI)             | ≤ 3%   |                    |                   |                   |                          |                   |
| Input current-limiting                       | 1.1 times of rated current (0.1 ~ 1.1 settable )   |                    |                   |                   |                          |                   |
| Rectifier delay start                        | 10 s (1 ~ 300 settable)  |                    |                   |                   |                          |                   |
| Bypass voltage range                         | ± 20% (settable)   |                    |                   |                   |                          |                   |
| <b>OUTPUT</b>                                |  |                    |                   |                   |                          |                   |
| Rated voltage                                | 380 V / 400 V / 415 Vac  |                    |                   |                   |                          |                   |
| Voltage regulation                           | ± 1%   |                    |                   |                   |                          |                   |
| Frequency                                    | Synchronized with utility in mains mode; 50 / 60 Hz ± 0.1% in battery mode                               |                    |                   |                   |                          |                   |
| Waveform                                     | Sinusoidal   |                    |                   |                   |                          |                   |
| Crest factor                                 | 3:1  |                    |                   |                   |                          |                   |
| Total harmonic distortion (THDV)             | ≤ 2% (resistive load); ≤ 5% (non-linear load)  |                    |                   |                   |                          |                   |
| Transfer time                                | 0 ms   |                    |                   |                   |                          |                   |
| Inverter overload capability                 | 105% ~ 110% for 60 minutes;<br>110% ~ 125% for 10 minutes;   |                    |                   |                   |                          |                   |
| Slight adjustment of inverter output voltage | ± 5 V  |                    |                   |                   |                          |                   |
| <b>BATTERIES</b>                             |  |                    |                   |                   |                          |                   |
| DC voltage                                   | 600 Vdc (support 576 Vdc / 588 Vdc / 612 Vdc / 624 Vdc)  |                    |                   |                   |                          |                   |
| Number of battery                            | 50 pcs ( support 48 / 49 / 51 / 52 pcs)  |                    |                   |                   |                          |                   |
| Charging current                             | Charging rate (settable) × battery capacity (settable) × number of battery group (settable)              |                    |                   |                   |                          |                   |
| Battery state display                        | Battery remaining capacity and backup time   |                    |                   |                   |                          |                   |
| Battery self-test                            | Settable periodic self-test; manually configurable test time and voltage                                 |                    |                   |                   |                          |                   |
| <b>SYSTEM</b>                                |  |                    |                   |                   |                          |                   |
| Efficiency                                   | Line mode ≥ 93%, ECO mode ≥ 98%  |                    |                   |                   |                          |                   |
| Max. parallel numbers                        | 6  |                    |                   |                   |                          |                   |
| Protections                                  | Short-circuit, overload, overtemperature, overvoltage, undervoltage, battery low voltage and fan failure |                    |                   |                   |                          |                   |
| IP rating                                    | IP 20  |                    |                   |                   |                          |                   |
| Display                                      | 5.7 inches LCD touch screen  |                    |                   |                   |                          |                   |
| <b>COMMUNICAITONS</b>                        |  |                    |                   |                   |                          |                   |
| RS232 / RS485 / dry contacts                 | Supports Windows? 98 / 2000 / 2003 / XP / Vista / 2008 / 7 / 8 / 10                                      |                    |                   |                   |                          |                   |
| SNMP (optional)                              | Power management from SNMP manager and web browser   |                    |                   |                   |                          |                   |
| <b>OTHERS</b>                                |  |                    |                   |                   |                          |                   |
| Operating temperature                        | 0 ~ 40°C   |                    |                   |                   |                          |                   |
| Storage temperature                          | - 25°C ~ 55°C  |                    |                   |                   |                          |                   |
| Humidity                                     | 0 ~ 95% (non-condensing)   |                    |                   |                   |                          |                   |
| Noise level at 1 m                           | < 65 dB  |                    |                   |                   | < 70 dB                  |                   |
| Dimensions (W × D × H) (mm)                  | 800 × 860<br>× 1700  | 1210 × 860 × 1950  |                   |                   | 2380 × 860 × 1950        |                   |
| Packaged dimensions (W × D × H) (mm)         | 900 × 1000<br>× 1950   | 1300 × 1000 × 2200 |                   |                   | 1300 × 1000 × 2200 (× 2) |                   |
| Net/Gross weight (kg)                        | 790 / 820  | 1135 / 1260        | 1275 / 1400       | 1355 / 1480       | 2090 / 2200              | 2300 / 2500       |

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