

EA900  
LiFePO4  
6 kVA ~ 10 kVA  
PF 1.0

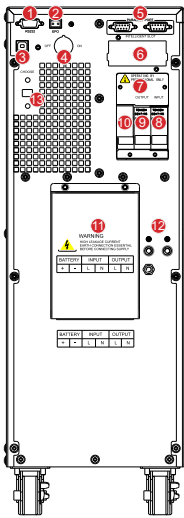


Features

- Advanced dual-core DSP control technology and 3-level technology
- Active Power Factor Correction Technology, input power factor up to 0.99
- System efficiency improved to 95%, energy saving rate is doubled
- Output power factor 1.0
- Working efficiency up to 98% in ECO mode
- Fan speed varies intelligently with load, reducing noise and extending its service life
- Standard 2A Charger
- With ultra wide input voltage range(90~288Vac) and frequency range(40~70Hz)
- 50Hz/60Hz auto-sensing frequency
- 50Hz/60Hz frequency conversion mode
- Linear derating in low voltage input reducing battery discharging time, extending the service life of battery
- Intelligent battery management, automatic equalized and float charging control, charger dormancy control, improving the reliability of charger and extending the battery life
- Powerful background software for parameters configuration and online upgrade
- Effective hardware and software protection, robust self-diagnosis function, abundant event log for future check
- Standard RS232, EPO, Smart card slot
- Optional SNMP card, Wi-Fi card, 4G card and SMS alarms, Dry contacts, Parallel kit, RS485

Rear Panel

1. RS232
2. EPO
3. USB(optional)
4. Battery control switch
5. Parallel port(optional)
6. Intelligent slot
7. Maintenance bypass micro-switch (optional with maintenance breaker)
8. Input breaker
9. Output breaker(optional)
10. Maintenance breaker(optional)
11. Terminal
12. GND
13. External 232 communication or internal battery communication selection switch



6/10KS

Specifications

| MODEL                               | EA906S Li                                                                                                                            | EA9010S Li |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|
| Capacity                            | 6kVA/6kW                                                                                                                             | 10kVA/10kW |
| INPUT                               |                                                                                                                                      |            |
| Input wiring                        | Single-phase three-wire(1Φ+N+PE)                                                                                                     |            |
| Rated voltage                       | 208/220/230/240Vac                                                                                                                   |            |
| Voltage range                       | 176~288Vac(full load); 90~176Vac(linear derating to 30%)                                                                             |            |
| Rated frequency                     | 50/60Hz                                                                                                                              |            |
| Frequency range                     | 40~70Hz                                                                                                                              |            |
| Power factor                        | ≥0.99                                                                                                                                |            |
| Bypass voltage range                | - 40%~+15%(settable)                                                                                                                 |            |
| Input current THDi                  | ≤5%                                                                                                                                  |            |
| OUTPUT                              |                                                                                                                                      |            |
| Output wiring                       | Single-phase three-wire(1Φ+N+PE)                                                                                                     |            |
| Rated voltage                       | 208(PF=0.9)/220/230/240Vac                                                                                                           |            |
| Voltage regulation                  | ±1%                                                                                                                                  |            |
| Frequency                           | Synchronized with utility in mains mode; 50/60Hz±0.1% in battery mode                                                                |            |
| Waveform                            | Sinusoidal                                                                                                                           |            |
| Power factor                        | 1                                                                                                                                    |            |
| Output voltage THDv                 | <1%(full linear load); <4%(full non-linear load according to IEC/EN62040-3)                                                          |            |
| Crest factor                        | 3:1                                                                                                                                  |            |
| Overload                            | 105%~110% for 10min, 110%~125% for 1min, 126%~150% for 30s                                                                           |            |
| BATTERIES                           |                                                                                                                                      |            |
| DC voltage                          | 192Vdc                                                                                                                               | 256Vdc     |
| Inbuilt battery                     | 1670.4WH                                                                                                                             | 2227.2WH   |
| Charging current                    | 2A                                                                                                                                   |            |
| Charging voltage precision          | 1%                                                                                                                                   |            |
| Recharge time                       | 90% capacity restored in 4 hours                                                                                                     |            |
| SYSTEM                              |                                                                                                                                      |            |
| Efficiency                          | ≥94% at 100% load, max.95% at 60% load, ≥98% in ECO mode                                                                             |            |
| Transfer time                       | 0 ms                                                                                                                                 |            |
| Protections                         | Short-circuit, overload, overtemperature, battery low voltage, overvoltage, undervoltage and fan failure                             |            |
| Max. number of parallel connections | 4                                                                                                                                    |            |
| Communications                      | Standard: RS232, EPO, Smart card slot;<br>Optional: SNMP card, Wi-Fi card, 4G card and SMS alarms, dry contacts, parallel kit, RS485 |            |
| Display                             | LCD+LED                                                                                                                              |            |
| OTHERS                              |                                                                                                                                      |            |
| Operating temperature               | 0°C~40°C                                                                                                                             |            |
| Storage temperature                 | -20°C~45°C                                                                                                                           |            |
| Relative humidity                   | 0~95%(non-condensing)                                                                                                                |            |
| Altitude                            | <1000m, derating 1% per 100m from 1000~2000m                                                                                         |            |
| IP rating                           | IP 20                                                                                                                                |            |
| Noise level at 1m                   | <58 dB                                                                                                                               |            |
| Dimensions(W×D×H)(mm)               | 191×547×534(S)                                                                                                                       |            |
| Packaged dimensions(W×D×H)(mm)      | 310×756×690(S)                                                                                                                       |            |
| Net weight(kg)                      | 44.5(S)                                                                                                                              | 50(S)      |
| Gross weight(kg)                    | 53(S)                                                                                                                                | 58(S)      |

- S means standard model.
- All specifications are subject to change without notice.