

## EEWI Series

# 30KVA Pure Sine Wave Power Inverter Off-grid Single Phase



### Applications

- Application in wind, Solar, Wind&Solar hybrid power generation station.
- Application in household wind&solar hybrid power generation system.
- Power supply for those unmanned regions like the coastal islands, remote mountainous regions and border posts.

## Features

- Can be applied in wind, solar, wind&solar hybrid power generation system.
- Simple structure, complete function
- Low no-load loss by using industrial frequency transformer
- RS232/RS485/GPRS optional (Those with GPRS can also be monitored through App.)
- CE certification

## Technical Parameters

|                                   |                        |
|-----------------------------------|------------------------|
| Model                             | EEWI300-240            |
| <b>DC Input Parameters</b>        |                        |
| Rated battery voltage             | 240Vdc                 |
| Input overvoltage point           | 340Vdc                 |
| Input overvoltage recovery point  | 330Vdc                 |
| Input undervoltage point          | 216Vdc                 |
| Input undervoltage recovery point | 240Vdc                 |
| <b>AC Output Parameters</b>       |                        |
| Output phase number               | Single phase           |
| Rated output power                | 30KVA                  |
| Rated output voltage              | 110/120/220/230/240Vac |
| Rated output frequency            | 50/60 ±0.5HZ           |
| THDi                              | <5%                    |
| <b>Efficiency</b>                 |                        |
| Max. conversion efficiency        | ≥85%                   |

| Protection Functions                                      |                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DC input overvoltage protection                           | YES                                                                                                                                                                                                                                                                                                             |
| DC reversed connection protection                         | YES                                                                                                                                                                                                                                                                                                             |
| AC output overload protection                             | YES                                                                                                                                                                                                                                                                                                             |
| AC short circuit protection                               | YES                                                                                                                                                                                                                                                                                                             |
| Surge protection                                          | YES                                                                                                                                                                                                                                                                                                             |
| Over-temperature protection                               | YES                                                                                                                                                                                                                                                                                                             |
| General Parameters                                        |                                                                                                                                                                                                                                                                                                                 |
| Display mode                                              | LCD                                                                                                                                                                                                                                                                                                             |
| Display information                                       | Battery voltage, inverter voltage, inverter current, inverter power, and working status of battery overvoltage/undervoltage and AC output overload/short circuit.                                                                                                                                               |
| Monitoring mode(optional)                                 | RS232/RS485/GPRS                                                                                                                                                                                                                                                                                                |
| Monitoring Contents                                       | Real-time display: Battery voltage, inverter voltage, inverter current, inverter power, and working status of battery overvoltage/.undervoltage and AC output overload/short circuit.<br>Parameter setting: overvoltage point, overvoltage recovery point, undervoltage point, and undervoltage recovery point. |
| Isolation mode                                            | Industrial frequency isolation                                                                                                                                                                                                                                                                                  |
| No-load current                                           | ≤1.5A                                                                                                                                                                                                                                                                                                           |
| Environment temperature                                   | -20℃~+40℃                                                                                                                                                                                                                                                                                                       |
| Humidity                                                  | 5%~95%, No condensing                                                                                                                                                                                                                                                                                           |
| Noise                                                     | <60dB                                                                                                                                                                                                                                                                                                           |
| Cooling mode                                              | Natural cooling                                                                                                                                                                                                                                                                                                 |
| Cover protection class                                    | IP20                                                                                                                                                                                                                                                                                                            |
| <b>Note: the listed specs are just for your reference</b> |                                                                                                                                                                                                                                                                                                                 |