



## OFF GRID INVERTER BATTERY AIO ESS- EU SERIES

- Simple integrated design
- Modular system for easy expansion
- Plug and play, quick installation
- Single phase inverter 6kva/8kva/10kva
- Built-in WiFi function



## Product Specification

| MODEL                                          | YP-6KW-LV1     | YP-6KW-LV2 | YP-6KW-LV3 | YP-6KW-LV4 | MODEL                                     | YP-6KW-LV1             | YP-6KW-LV2 | YP-6KW-LV3 | YP-6KW-LV4 |                                                             |
|------------------------------------------------|----------------|------------|------------|------------|-------------------------------------------|------------------------|------------|------------|------------|-------------------------------------------------------------|
| Phase                                          | 1-phase        |            |            |            | Two Load Output Power                     |                        |            |            |            |                                                             |
| Maximum PV input power                         | 6500W          |            |            |            | Full load                                 | 6200W                  |            |            |            |                                                             |
| Rated output power                             | 6200W          |            |            |            | Maximum main load                         | 6200W                  |            |            |            |                                                             |
| Maximum soor charging current                  | 120A           |            |            |            | Maximum second load (battery mode)        | 2067W                  |            |            |            |                                                             |
| PV Input(DC)                                   |                |            |            |            | Main load cut off voltage                 |                        |            |            |            | 44VDC                                                       |
| Nominal DC voltage/Maximum DC woltage          | 360VDC/500VDC  |            |            |            | Main load returnn voltage                 |                        |            |            |            | 52VDC                                                       |
| Start-up voltage/Initigl feeding voltage       | 90VDC          |            |            |            | AC Input                                  |                        |            |            |            |                                                             |
| MPPT voltage range                             | 60~450VDC      |            |            |            | AC start-uo voltage/ Auto restart voltage | 120-140WAC/80VAC       |            |            |            |                                                             |
| Numnber of MPPT trackers/oximumn input current | 1/22A          |            |            |            | Acceptable input voltage range            | 90-280VAC or170-280VAC |            |            |            |                                                             |
| Grid Output(AC)                                |                |            |            |            | Maximum AC inout current                  |                        |            |            |            | 50A                                                         |
| Nominal output voltage                         | 220/230/240VAC |            |            |            | Nominal oergrting frequency               |                        |            |            |            | 50/60H2                                                     |
| Outout voltage range                           | 195.5~253VAC   |            |            |            | Surge powver                              |                        |            |            |            | 10000W                                                      |
| Nominal output ourrent                         | 27.0A          |            |            |            | Battery Mode Output(AC)                   |                        |            |            |            |                                                             |
| Power factor                                   | > 0.99         |            |            |            | Nominal output voltage                    |                        |            |            |            | 220/230/240VAC                                              |
| Feed-in grid frequency range                   | 49~51±1Hz      |            |            |            | Outout waveform                           |                        |            |            |            | Pure sine wave                                              |
| Battery Data                                   |                |            |            |            | Efficiency (DC to AC)                     |                        |            |            |            | 94%                                                         |
| Rate voltage(vdc)                              | 51.2           |            |            |            | Charger                                   |                        |            |            |            |                                                             |
| Cell combination                               | 16S1P*1        | 16S1P*2    | 16S1P*3    | 16S1P*4    | Maximum charging current (solar to AC)    |                        |            |            |            | 120A                                                        |
| Rate capacity(AH)                              | 100            | 200        | 300        | 400        | Maximum AC charging current               |                        |            |            |            | 100A                                                        |
| Energy storage(KWH)                            | 5.12           | 10.24      | 15.36      | 20.48      | Physical                                  |                        |            |            |            |                                                             |
| Discharge cut-off voltage(VDC)                 | 43.2           |            |            |            | Dimension D*W*H(mm)                       |                        |            |            |            | 192*640*840    192*640*1180    192*640*1520    192*640*1860 |
| Charge cut-off voltage(VDC)                    | 58.4           |            |            |            | Weight(kg)                                |                        |            |            |            | 64    113    162    211                                     |
| Efficiency                                     |                |            |            |            | Interface                                 |                        |            |            |            |                                                             |
| Maximum conversion efficiency(sloar to AC)     | 98%            |            |            |            | Communication port                        |                        |            |            |            | RS232WWIFIGPRS/LITHIUM BATTERY                              |