

| 10.2KW on/off Grid inverter               |                      |                |
|-------------------------------------------|----------------------|----------------|
| Model                                     | 8.2k                 | 10.2k          |
| Max pv input power                        | 8200w                | 10200w         |
| Rated output power                        | 8200w/8200va         | 10200w/10200va |
| Max solar charging current                | 180A                 | 180A           |
| <b>Grid Tied operation</b>                |                      |                |
| pv input(DC)                              |                      |                |
| Normal DC voltage/Max DC voltage          | 360VDC/500VDC        |                |
| Start up Volatge/initial Feeding Voltage  | 90VDC/120VDC         |                |
| MPPT Voltage Range                        | 90VDC-450VDC         |                |
| Number of MPPT trackers/Max input current | 1/27A                |                |
| <b>Grid output (AC)</b>                   |                      |                |
| Norminal output Voltage                   | 220/230/240VAC       |                |
| Output voltage range                      | 195-253VAC           |                |
| Norminal output current                   | 35.6A                | 44.3A          |
| Power factor                              | >0.99                |                |
| Feed-in Grid Frequency Range              | 49-51±1HZ            |                |
| <b>Efficiency</b>                         |                      |                |
| Max conversion Efficiency(DC/AC)          | 98%                  |                |
| <b>Two load output power</b>              |                      |                |
| Full load                                 | 8200W                | 10200W         |
| Max main load                             | 8200W                | 10200W         |
| Max second load (battery mode)            | 2733W                | 3400W          |
| Main load cut off voltage                 | 44VDC                | 44VDC          |
| Main load return voltage                  | 48VDC                | 48VDC          |
| <b>Off grid operation</b>                 |                      |                |
| <b>AC Input</b>                           |                      |                |
| AC start up voltage/Auto restart voltage  | 120-140VAC/180VAC    |                |
| Acceptable input voltage range            | 280VAC OR 170-280VAC |                |
| Max AC input current                      | 40A                  | 50A            |
| Nominal opreating frequency               | 50/60HZ              |                |
| Surge power                               | 16400W               | 20400W         |
| <b>pv Input(DC)</b>                       |                      |                |

|                                           |                            |       |
|-------------------------------------------|----------------------------|-------|
| Max DC voltage                            | 500VDC                     |       |
| MPPT Voltage Range                        | 90VDC-450VDC               |       |
| Number of MPPT trackers/Max input current | 1/27A                      |       |
| Battery mode output(AC)                   |                            |       |
| Normal output Voltage                     | 48VDC                      | 48VDC |
| Output waveform                           | Pure sine wave             |       |
| Efficiency(DC to AC)                      | 94%                        |       |
| Battery & Charger                         |                            |       |
| Normal DC voltage                         | 48VDC                      | 48VDC |
| Max solar charging current                | 160A                       | 180A  |
| Max AC charging current                   | 140A                       | 160A  |
| Physical                                  |                            |       |
| Dimension(MM)                             | 555*405*135                |       |
| Carton Dimension(mm)                      | 590*475*215                |       |
| Gross weight(kgs)                         | 15.7                       | 16    |
| Communication port                        | RS232/WIFI/Remove LCD/GPRS |       |
| Operating temperature                     | -10 - 50℃                  |       |