

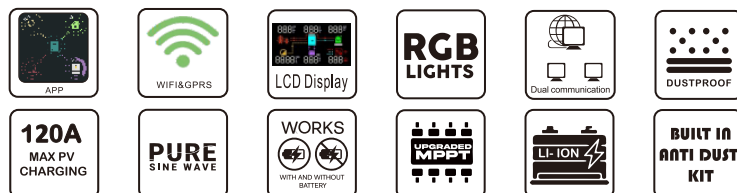
**SMARTER ENERGY**

**6.2KW**  
**HYBRID INVERTER**



**6.2KW**  
**HYBRID INVERTER**

**KEY STRENGTHS:**



**»» Features**

- | Pure sine wave solar inverter(on/off Grid)
- | WIFI&GPRS available for iOS and Android
- | One- key restoration to factory Settings
- | Dual communication ports for Battery communication and Wifi communication
- | High PV input voltage range(60~500VDC)
- | Smart battery charge design to optimize battery life
- | Offline upgrade through COMM port
- | Inverter- lithium battery communication status displayed directly on the LCD interface
- | Add lithium battery information display to the APP
- | Output power factor 1.0
- | Inverter can run without battery
- | Built- in Lithium battery automatic activation
- | Built- in MPPT Solar charge
- | Built- in anti- dust kit for harsh environment
- | Dual output
- | Maximum PV input current: 27A
- | In battery- free mode, PV systems deliver a better user experience when powering loads

# Product Data Sheet

| MODEL                                    | AURA 21                 |
|------------------------------------------|-------------------------|
| PHASE                                    | Single Phase            |
| Maximum PV Input Power                   | 8000W                   |
| Rate Output Power                        | 6200W/6200VA            |
| <b>Grid-Tie OPERATION</b>                |                         |
| PV INPUT(DC)                             |                         |
| Nominal DC Voltage/Maximum DC Voltage    | 360VDC/500VDC           |
| Start-up Voltage/Initial Feeding Voltage | 60VDC/90VDC             |
| MPPT Voltage Range                       | 60~450VDC               |
| Maximum Input Current                    | 27A                     |
| GRID OUTPUT(AC)                          |                         |
| Nominal Output Voltage                   | 220/230/240VAC          |
| Output Voltage Range                     | 195~253VAC              |
| Nominal Output Current                   | 27.0A                   |
| Power Factor                             | > 0.99                  |
| EFFICIENCY                               |                         |
| Maximum Conversion Efficiency(DC-AC)     | 98%                     |
| <b>OFF-GRID, HYBRID OPERATION</b>        |                         |
| PV INPUT(DC)                             |                         |
| Maximum DC Voltage                       | 60/500VDC               |
| Start-up Voltage/Initial Feeding Voltage | 60VDC/90VDC             |
| MPP Voltage Range                        | 60VDC-450VDC            |
| Number Of MPPT/Maximum Input Current     | 27A                     |
| GRID OUTPUT(AC)                          |                         |
| Nominal Output Voltage                   | 220/230/240VAC          |
| Output Voltage Range                     | 195~253VAC              |
| Nominal Output Current                   | 27.0A                   |
| AC INPUT                                 |                         |
| AC Start-up Voltage/Auto Restart Voltage | 120-140VAC/180VAC       |
| AC Input Voltage Range                   | 90-280VAC or 170-280VAC |
| Maximum AC Input Current                 | 36.4A                   |
| BATTERY MODE OUTPUT(AC)                  |                         |
| Nominal Output Voltage                   | 220/230/240VAC          |
| Efficiency                               | 94%                     |
| BATTERY & CHARGER                        |                         |
| Nominal Voltage                          | 48VDC                   |
| Maximum Solar Charging Current           | 120A                    |
| Maximum AC Charging Current              | 100A                    |
| Maximum Charging Current                 | 120A                    |
| <b>GENERAL</b>                           |                         |
| PHYSICAL                                 |                         |
| Dimension, D*W*H(mm)                     | 423x344x113             |
| Package Dimension, D*W*H(mm)             | 500*415*180             |
| INTERFACE                                |                         |
| Communication Port                       | RS232/RS485/WIFI/BMS    |
| ENVIRONMENT                              |                         |
| Operating Temperature                    | -10 ~ 50                |

