

# IRRI SOL Gold inverter

## ON/OFF GRID SOLAR INVERTER



### Features SY 6.2K

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A(for 3.6KW/6.2KW)
- MPPT:Max 6200W(3.6KW),Max 4200W(for 4.2KW), Max 6500W(for 6.2KW)solar charge
- High PV input voltage range(60~450VDC) Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

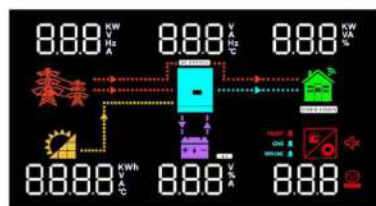


### RGB LIGHT

RGB lighting for different working mode  
RGB automatically switches with the



### LCD Display



### WIFI&GPRS available for ios and Android



| MODEL   | GS3.6KW                 | GS4.2KW | GS6.2KW |
|---|-------------------------|---------|---------|
| Phase   | 1-phase                 |         |         |
| Maximum PV Input Power                        | 6200W                   | 6200W   | 6500W   |
| Rated Output Power                            | 3600W                   | 4200W   | 6200W   |
| Maximum Solar Charging Current                | 120A                    | 120A    | 120A    |
| <b>GRID-TIE OPERATION</b>                     |                         |         |         |
| PV Input(DC)                                  |                         |         |         |
| Nominal DC Voltage/Maximum DC Voltage         | 360VDC/500VDC           |         |         |
| Start-up Voltage/Initial Feeding Voltage      | 90VDC/120VDC            |         |         |
| Maximum DC Voltage                            | 60~450VDC               |         |         |
| Number of MPPT Trackers/Maximum Input Current | 1/27A                   |         |         |
| GRID OUTPUT(AC)                               |                         |         |         |
| Nominal Output Voltage                        | 220/230/240VAC          |         |         |
| Output Voltage Range                          | 195.5~253VAC            |         |         |
| Nominal Output Current                        | 15.7A                   | 18.2A   | 27.0A   |
| Power Factor                                  | >0.99                   |         |         |
| Feed-in Grid Frequency Range                  | 49~51±1Hz               |         |         |
| <b>EFFICIENCY</b>                             |                         |         |         |
| Maximum Conversion Efficiency( Solar to AC )  | 98%                     |         |         |
| <b>TWO LOAD OUTPUT POWER(V2.0)</b>            |                         |         |         |
| Full Load                                     | 3600W                   | 4200W   | 6200W   |
| Maximum Main Load                             | 3600W                   | 4200W   | 6200W   |
| Maximum Second Load(battery mode)             | 1200W                   | 1400W   | 2067W   |
| Main Load Cut Off Voltage                     | 22VDC                   | 22VDC   | 44VDC   |
| Main Load Return Voltage                      | 27VDC                   | 24VDC   | 54VDC   |
| <b>OFF-GRID OPERATION</b>                     |                         |         |         |
| AC INPUT                                      |                         |         |         |
| AC Start-up Voltage/Auto Restart Voltage      | 120-140VAC/180VAC       |         |         |
| Acceptable Input Voltage Range                | 90-280VAC or 170-280VAC |         |         |
| Maximum AC Input Current                      | 30A                     | 30A     | 40A     |
| Nominal operating frequency                   | 50/60Hz                 |         |         |
| Surge power                                   | 7200W                   | 8400W   | 12400W  |
| <b>BATTERY MODE OUTPUT(AC)</b>                |                         |         |         |
| Nominal Output Voltage                        | 220/230/240VAC          |         |         |
| Output Waveform                               | Pure sine wave          |         |         |
| Efficiency(DC to AC)                          | 94%                     |         |         |
| <b>BATTERY &amp; CHARGER</b>                  |                         |         |         |
| Nominal DC Voltage                            | 24VDC                   | 24VDC   | 48VDC   |
| Maximum Charging Current (Solar to AC)        | 120A                    |         |         |
| Maximum AC Charging Current                   | 100A                    |         |         |
| <b>GENERAL</b>                                |                         |         |         |
| <b>PHYSICAL</b>                               |                         |         |         |
| Dimension,D x W x H(mm)                       | 440*355*115             |         |         |
| Cartoon Dimension,D X W XH(mm)                | 500*420*185             |         |         |
| Net Weight(kgs)                               | 10                      | 11      | 11      |
| <b>INTERFACE</b>                              |                         |         |         |
| Communication Port                            | RS232/WIFI/GPRS         |         |         |
| <b>ENVIRONMENT</b>                            |                         |         |         |
| Operating Temperature                         | -10~50C                 |         |         |