



## Three-phase Grid-connected Inverter

### RZE-ON30-T



LED display, touch button design,  
direct data view



Highly protective design of the shell,  
resistant to heat and corrosion, 25  
years without rusting



Maximum efficiency 98.5%, dual MPPT,  
more power generation



Intelligent remote monitoring



Intelligent fan cooling



Support anti-backflow function



14A string current, suitable for high current  
high efficiency module applications



150% DC over configuration, 110% AC  
overload output



Photovoltaic input up to 1100V





| Technical Data                              | RZE-ON30-T                                                                           |
|---------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Input DC (PV side)</b>                   |                                                                                      |
| Max. PV access power                        | 60000W                                                                               |
| Max. PV input power                         | 39000W                                                                               |
| Max. PV input voltage                       | 1100V                                                                                |
| Operation voltage range                     | 200V-1000V                                                                           |
| Number of independent MPPT/strings per MPPT | 2/3+2                                                                                |
| MPPT max. current                           | 42A/30A                                                                              |
| <b>AC Output Data</b>                       |                                                                                      |
| Rated output power                          | 30000W                                                                               |
| Max. output power                           | 33000W                                                                               |
| Rated output voltage                        | 400V/320V-480V                                                                       |
| Rated output frequency                      | 50Hz/60Hz                                                                            |
| Rated output current                        | 43.5A                                                                                |
| Max. output current                         | 48A                                                                                  |
| Power factor                                | -0.8~+0.8(adjustable)                                                                |
| THDi                                        | <3%(Nominal Output)                                                                  |
| Grid system pattern                         | 3W+N+PE                                                                              |
| <b>Efficiency</b>                           |                                                                                      |
| Max. efficiency                             | 98.5%                                                                                |
| Europe efficiency                           | 98.2%                                                                                |
| <b>Protection</b>                           |                                                                                      |
| Input DC switch                             | Yes                                                                                  |
| Input over current protection               | Yes                                                                                  |
| DC reverse polarity protection              | Yes                                                                                  |
| Output over voltage protection              | Yes                                                                                  |
| Output over current protection              | Yes                                                                                  |
| Anti islanding protection                   | Yes                                                                                  |
| AC surge protection                         | Yes                                                                                  |
| DC surge protection                         | Yes                                                                                  |
| Insulation impedance protection             | Yes                                                                                  |
| RCD detection                               | Yes                                                                                  |
| <b>General Data</b>                         |                                                                                      |
| Dimensions(L/W/H)in mm                      | 403/236/360                                                                          |
| Weight                                      | 18.5kg                                                                               |
| Noise                                       | <30dB                                                                                |
| Operation temperature range                 | -25°C~+60°C                                                                          |
| Heat dissipation mode                       | Smart cooling                                                                        |
| IP Class                                    | IP65                                                                                 |
| Maximum altitude                            | 4000m                                                                                |
| Self-Consumption night                      | <1w                                                                                  |
| Topology                                    | Transformerless                                                                      |
| <b>Features</b>                             |                                                                                      |
| LCD display                                 | Yes                                                                                  |
| Communication interface                     | WIFI/GPRS/RS485(optional)                                                            |
| Warranty                                    | 5 years (standard)                                                                   |
| Standards                                   | IEC 61683, IEC 61727, IEC 62116, IEC 60068, EN 62109, IEC 61000, EN 50549, NB/T32004 |