

Solutions for the North American Solar Market



RPS TL from 340 kWp to 1460 kWp

RPS TL

The RPS TL is a uniquely-designed high-powered photovoltaic inverter system that provides maximum energy harvest. The scalable, modular design, already in extensive use in Europe, provides one of the widest ranges of inverter ratings in the market, which ensures an optimal matching with any size array. Compared to other single, high power inverters, Bonfiglioli's unique design, with multiple inverter modules, ensures maximum system reliability: a single fault will affect only one inverter module, while the balance of the system continues to operate, which minimizes loss of energy production.

Bonfiglioli RPS TL series inverters are available in either master-slave or multi-MPPT configurations.

- **The Master-Slave configuration** intelligently manages the working load of each inverter module in order to maximize conversion efficiency and provide an extended working life. The automatic disconnection of individual modules during fault conditions ensures the effect on system energy production is minimized by allowing the balance of the system to operate. The Master-Slave system is ideally suited to provide the most benefit in efficiency under partial load conditions and will allow system to start earlier in the morning and stop later in the evening.
- **The Multi-MPPT configuration** provides independent control for multiple sub-arrays. In this configuration the system is able to minimize the solar array mismatch losses and is ideally suited for applications with different irradiance profiles, unmatched solar panels or multiple surface slopes.

Technical Overview:

- A wide range of inverter power ratings from 340 kWp to 1460 kWp (300 kWac to 1283 kWac)
- Modular inverter system with up to 7 MPPT inputs
- Designed to UL and CSA standards (certification is pending)
- Maximum efficiency of up to 98.4%
- DC Load Break disconnect for each inverter module to provide isolation from the solar array
- Includes main AC breaker to provide overall protection for inverter lineup
- Floating, positive grounded and negative grounded arrays are possible

Industry-leading Features:

- Faster, more secure and fault-free connections ensure maximum uptime
- Top-quality electro-mechanical components reduce the incidence of failures which in turn reduces repair costs and increase production time
- Versatile design performs well even in the presence of system failures
- Lower maintenance costs and longer expected lifetime

Bonfiglioli's solar inverter system is particularly suited for use in medium and large fields, and provides the maximum return on investment.

We are so confident in our products that we offer an uptime guarantee and a wide range of extended warranty options.

Contact us or visit our website today for more information.