

At a glance ...

Huawei

Product advantages

Huawei was founded in 1987 and is a leading global provider of information and communications technology (ICT) infrastructure and smart devices, with 194,000 employees in more than 170 countries. The Chinese manufacturer with headquarters in Shenzhen has offered a comprehensive portfolio in the fields of telecommunications and enterprise networks, end devices, cloud technology and services for more than 30 years. This longtime experience is reflected, for example, in the participation in the international 5G network rollout – and, of course, Huawei's market-leading smart solar solutions.

Power electronics, artificial intelligence (AI), cloud solutions and communication technology are combined to create a wide range of devices and infrastructure for photovoltaic systems for residential, commercial and utility-scale applications. Advanced technology optimizes power generation and makes solar power plants even more efficient, safe and reliable with intelligent processes – for widespread application of photovoltaics. Huawei has already brought solar energy to millions of people and hundreds of industries worldwide.



Smart inverters

- Intelligent single-phase and three-phase inverters for all areas of application
- **Residential:** SUN2000-2/6KTL-L1 (single-phase) and SUN2000-3/4/5/6/8/10KTL-M1 (three-phase), hybrid inverter for integration of energy storage systems, Wi-Fi-capable, safety plus due to the AI-supported arc detection "AFCI"
- **Commercial/Industrial:** SUN2000-12-20KTL-M2 / 30-40KTL-M3 / 60KTL-M0 / 100KTL-M1 (three-phase), MODBUS RTU, modern cooling technology, commissioning and monitoring with app, high efficiency of 98 %+
- **Utility-Scale:** SUN2000-105KTL-H1, SUN2000-185KTL-H1, SUN2000-215KTL-H0/H3 with high yields and attractive price-performance ratio

Smart Optimizers

- Smart PV Optimizer SUN2000-450W-P ensures maximum energy production at module level with shading optimization, individual module monitoring and safety shutdown
- Communication with the inverter via DC MBUS
- Monitoring at module level including voltage reduction during shutdown (in compliance with NEC2017)
- Suitable for any installation scenario thanks to 1.2 m cable

One storage unit for all

- Modular energy storage system LUNA2000-5/10/15 with a capacity of 5, 10 or 15 kWh per unit
- Flexible expansion and module-independent charging/discharging possible
- Up to two ESS in parallel for a peak capacity of 30 kWh
- Compatible with hybrid inverters SUN2000-2-6KTL-L1 and SUN2000-3-10KTL-M0/M1 (2 – 10 kW)

Digital security

- FusionSolar management system and app support commissioning, installation, registration and monitoring of all system components
- First AI-based diagnostic tool for solar modules
- 5th place in the Industrial R&D Investment Scoreboard of the European Commission (2018)
- Huawei Smart PV Community with access to information, training and a rewards program for installers
- Personal service contact for all pre- and after-sales matters