## SUNNY TRIPOWER 12000TL-US / 15000TL-US / 20000TL-US / 24000TL-US / 30000TL-US





### **Design flexibility**

- 1000 V DC or 600 V DC
- Two independent DC inputs
- 15° to 90° mounting angle range
- Detachable DC Connection Unit

#### System efficiency

- 98.0% CEC, 98.6% Peak • 1000 V DC increases system
- efficiency
- OptiTrac Global Peak MPPT

#### **Enhanced safety**

- Integrated DC AFCI
- Floating system with all-pole sensitive ground fault protection
- Reverse polarity indicator in combination with Connection Unit

#### Future-proof

- Complete grid management feature set
- Integrated Speedwire, WebConnect, ModBus interface
- Bi-directional Ethernet communications
- Utility-interactive controls for active and reactive power

# SUNNY TRIPOWER 12000TL-US / 15000TL-US / 20000TL-US / 24000TL-US / 30000TL-US

The ultimate solution for decentralized PV plants, now up to 30 kilowatts

The world's best-selling three-phase PV inverter, the SMA Sunny Tripower TL-US, is raising the bar for decentralized commercial PV systems. This three-phase, transformerless inverter is UL listed for up to 1000 V DC maximum system voltage and has a peak efficiency above 98 percent, while OptiTrac Global Peak minimizes the effects of shade for maximum energy production. The Sunny Tripower delivers a future-proof solution with full grid management functionality, cutting edge communications and advanced monitoring. The Sunny Tripower is also equipped with all-pole ground fault protection and integrated AFCI for a safe, reliable solution. It offers unmatched flexibility with a wide input voltage range and two independent MPP trackers. Suitable for both 600 V DC and 1,000 V DC applications, the Sunny Tripower allows for flexible design and a lower levelized cost of energy.

300 V800 V 15000 W 15000 VA 3 / 480 / 5 18 A 5 98.2% / 97.5%	30000 Wp STC 1000 V 380 V800 V 150 V1000 V 150 V / 188 V 2 66 A / 33 A 53 A / 53 A 20000 W 20000 VA ' 3-N-PE 277 V WYE 244 V305 V 60 Hz 50 Hz, 60 Hz / -6 Hz 24 A 1 / 0.0 leading0.0 log < 3% 98.5% / 97.5%	29 A	45000 Wp STC 1000 V 500 V800 V 30000 W 30000 VA 3 / 3-N-PE, 3-PE 480 / 277 V WY 480 V Delta 36.2 A 98.6% / 98.0%
*1 300 V800 V 15000 VA 3 / 480 / 5 18 A 5 98.2% / 97.5%	1000 V 380 V800 V 150 V1000 V 150 V / 188 V 2 66 A / 33 A 53 A / 53 A 20000 W 20000 VA 7 3-N-PE 277 V WYE 244 V305 V 60 Hz 50 Hz, 60 Hz / -6 Hz 24 A 1 / 0.0 leading0.0 lag < 3% 98.5% / 97.5%	450 V800 V 24000 W 24000 VA	1000 V 500 V800 V 30000 VA 3 / 3.N.PE, 3.PE 480 / 277 V WY 480 V Delta 36.2 A
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