

STP 10000TLEE-JP-10/STP 10000TLEE-JP-11



Efficient

- Efficiency of 97.5% (as per JIS C 8962)
- Peak efficiency of 98.5%
- Excellent price-performance ratio

Safe

- Maximum robustness and best level of protection thanks to degree of protection IP65 (outdoor)
- Integrated display showing energy yield values and daily power generation trend

Innovative

- Operating temperature range from -25°C to $+60^{\circ}\text{C}$ through active OptiCool temperature management
- Straightforward system visualization and monitoring thanks to Webconnect and Sunny Portal

Reliable

- Electricity supply even in the event of grid failure thanks to SPS module*

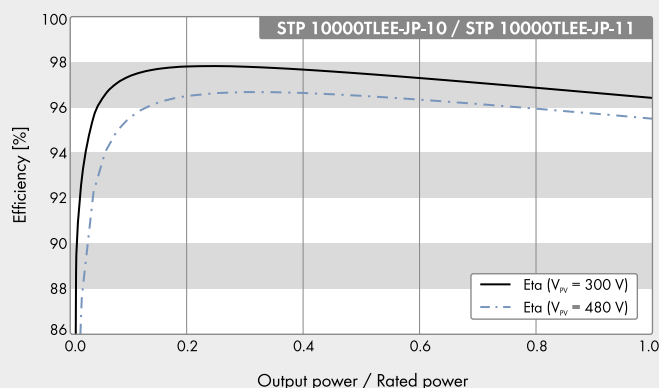
SUNNY TRIPOWER 10000TLEE-JP

The innovative expert for low-voltage applications

The Sunny Tripower Economic Excellence offers more benefit for each yen invested and has been specifically adapted to the requirements of the Japanese market. Its robust outdoor enclosure meets the strict specifications of the IP65 device classification and offers exceptionally solid protection from dirt, water and salt-containing atmospheres. Unmatched in its class, the three-phase inverter operates at 97.8 percent peak efficiency and offers numerous features, such as an SPS module* for electricity supply even during grid failures. The Speedwire/Webconnect data module is part of the standard equipment of the Sunny Tripower. It allows for remote monitoring individual or several Ethernet-based SMA devices via Sunny Portal, as well as remotely via smartphone or tablet.

*Only for STP 10000TLEE-JP-11

Efficiency Curve



Accessory



Blue or white cover



SMA Power Control Module
PWCMOD-10**



Multifunction relay
MFR01-10**

** Only for STP 10000TLEE-JP-10

Technical Data	Sunny Tripower 10000TLEE-JP-10	Sunny Tripower 10000TLEE-JP-11
Input (DC)		
Max. DC power (at $\cos \varphi = 1$)	10500 W	10500 W
Max. input voltage	600 V	600 V
MPP voltage range at grid voltage (202 V) / rated input voltage	300 V to 590 V / 300 V	300 V to 590 V / 300 V
Min. input voltage / initial input voltage	300 V / 310 V	300 V / 310 V
Max. input current	36 A	36 A
Max. input current per string	36 A	36 A
Number of independent MPP inputs / strings per MPP input	1 / 6	1 / 6
Output (AC)		
Rated power (at 202 V, 50 Hz)	10000 W	9900 W
Max. apparent AC power	10000 VA	9900 VA
Nominal AC voltage	3/PE, 202 V	3/PE, 202 V
AC voltage range	160 V to 240 V	160 V to 240 V
AC power frequency / range	50 Hz, 60 Hz / $\pm 2\%$	50 Hz, 60 Hz / $\pm 2\%$
Rated power frequency / rated grid voltage	50 Hz / 202 V	50 Hz / 202 V
Max. output current	29 A	29 A
Power factor at rated power	1	1
Adjustable displacement power factor	0.8 overexcited to 0.8 underexcited	0.8 overexcited to 0.8 underexcited
Feed-in phases / connection phases	3 / 3	3 / 3
SPS Module	—	1500 W / 101 V / 50 Hz, 60 Hz
Efficiency		
Max. efficiency / efficiency as per IIS C 8962	97.8% / 96.5%	97.8% / 96.5%
Protective devices		
DC-side disconnection point	●	●
Ground fault monitoring / grid monitoring	● / ●	● / ●
DC reverse polarity protection / AC short-circuit current capability / galvanically isolated	● / ● / —	● / ● / —
All-pole sensitive residual-current monitoring unit	● / ●	● / ●
Protection class (as per IEC 61140) / overvoltage category (as per IEC 60664-1)	I / AC; III; DC: II	I / AC; III; DC: II
General Data		
Dimensions (W / H / D)	665 / 680 / 265 mm (26.2 / 26.8 / 10.4 inch)	
Weight	45 kg (99.2 lb)	
Operating temperature range	-25 °C to +60 °C (-13 °F to +140 °F)	
Noise emission, typical	51 dB(A)	51 dB(A)
Self-consumption (at night)	1 W	1 W
Topology / cooling concept	Transformerless / OptiCool	Transformerless / OptiCool
Degree of protection (as per IEC 60529)	IP65	IP65
Climatic category (as per IEC 60721-3-4)	4K4H	4K4H
Max. permissible value for relative humidity (non-condensing)	100%	100%
Features		
DC connection	Connecting terminal plate	Connecting terminal plate
AC connection	Spring-cage terminal	Spring-cage terminal
Display	LC graphic display	LC graphic display
Interface: Speedwire / Webconnect	●	●
Multifunction relay / Power Control Module	○ / ○	— / —
Warranty: 5 / 10 / 15 / 20 years	● / ○ / ○ / ○	● / ○ / ○ / ○
JET certification number	P.0217	P.0232
● Standard features ○ Optional features — Not available, data at nominal conditions		
Type designation	STP 10000TLEE-JP-10	STP 10000TLEE-JP-11