

SUNNY TRIPOWER 10000TLEE-JP

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°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*

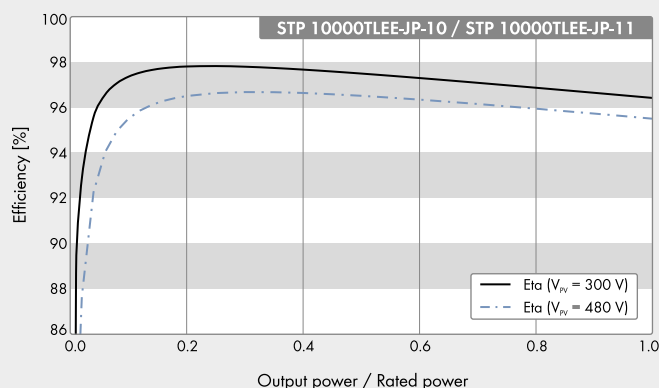
SUNNY TRIPOWER 10000TLEE-JP

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 Sunny Tripower can also be equipped with the optional Webconnect data module. It allows for 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



Speedwire/Webconnect interface SWDM-10



Multifunction relay MFR01-10**



SMA Power Control Module PWCMOD-10**

** Only for STP 10000TLEE-JP-10

Technical Data

Input (DC)

Max. DC power (@ $\cos \varphi = 1$)
Max. input voltage
MPP voltage range at grid voltage (202 V) / rated input voltage
Min. input voltage / initial input voltage
Max. input current
Max. input current per string
Number of independent MPP inputs / strings per MPP input

Output (AC)

Rated power (@ 202 V, 50 Hz)
Max. apparent AC power
Nominal AC voltage
AC voltage range
AC power frequency / range
Rated power frequency / rated grid voltage
Max. output current
Power factor at rated power
Adjustable displacement power factor
Feed-in phases / connection phases
SPS Module

Efficiency

Max. efficiency / efficiency as per JIS C 8962
--

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)

General Data

Dimensions (W / H / D)
Weight
Operating temperature range
Noise emission, typical
Self-consumption (at night)
Topology / cooling concept
Degree of protection (as per IEC 60529)
Climatic category (as per IEC 60721-3-4)
Max. permissible value for relative humidity (non-condensing)

Features

DC connection
AC connection
Display
Interface: RS485, Bluetooth®, Speedwire / Webconnect
Multifunction relay / Power Control Module
Warranty: 5 / 10 / 15 / 20 years
JET certification number

● Standard features ○ Optional features – Not available, data at nominal conditions

Type designation

Sunny Tripower 10000TLEE-JP-10

10,500 W
600 V
300 V to 590 V / 300 V
300 V / 310 V
36 A
36 A
1 / 6

10,000 W
10,000 VA
3/PE, 202 V
160 V to 240 V
50 Hz, 60 Hz / $\pm 2\%$
50 Hz / 202 V
29 A
1
0.8 overexcited to 0.8 underexcited
3 / 3
–

97.8% / 96.5%

●
● / ●
● / ● / –
● / ●

I / AC; III; DC: II

665 / 680 / 265 mm (26.2 / 26.8 / 10.4 inch)

45 kg (99.2 lb)

-25 °C to +60 °C (-13 °F to +140 °F)

51 dB(A)

1 W

Transformerless / OptiCool

IP65

4K4H

100%

Connecting terminal plate

Spring-cage terminal

LC graphic display

○ / ● / ○

○ / ○

● / ○ / ○ / ○

P.0217

STP 10000TLEE-JP-10

Sunny Tripower 10000TLEE-JP-11

10,500 W
600 V
300 V to 590 V / 300 V
300 V / 310 V
36 A
36 A
1 / 6

9,900 W
9,900 VA
3/PE, 202 V
160 V to 240 V
50 Hz, 60 Hz / $\pm 2\%$
50 Hz / 202 V
29 A
1
0.8 overexcited to 0.8 underexcited
3 / 3
1,500 W / 101 V / 50 Hz, 60 Hz

97.8% / 96.5%

●
● / ●
● / ● / –
● / ●

I / AC; III; DC: II

665 / 680 / 265 mm (26.2 / 26.8 / 10.4 inch)

45 kg (99.2 lb)

-25 °C to +60 °C (-13 °F to +140 °F)

51 dB(A)

1 W

Transformerless / OptiCool

IP65

4K4H

100%

Connecting terminal plate

Spring-cage terminal

LC graphic display

○ / ● / ○

– / –

● / ○ / ○ / ○

P.0232

STP 10000TLEE-JP-11