SUN2000-50KTL-M3

Smart PV Controller







Higher Yields

Up to 30% More Energy with Optimizer



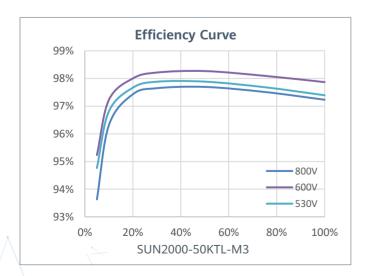
Active Safety

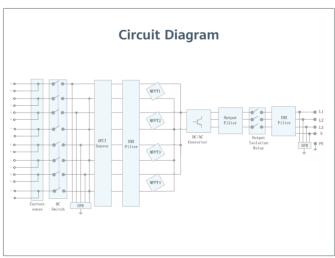
Al Powered Active Arcing Protection



Flexible Communication

WLAN, Fast Ethernet, 4G Communication Supported







Technical Specification

98.5% 98.0% Input 1,100 V 30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8 4
98.0% Input 1,100 V 30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
Input 1,100 V 30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
1,100 V 30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
1,100 V 30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
30 A 20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
20 A 40 A 200 V 0 V ~ 1,000 V 600 V 8
40 A 200 V 0 V ~ 1,000 V 600 V 8
200 V 0 V ~ 1,000 V 600 V 8
0 V ~ 1,000 V 600 V 8
600 V 8
8
4
Output
50,000 W
55,000 VA
55,000 W
c / 480 Vac, 3W+(N) + PE
) Hz / 60 Hz
00Vac, 60.1 A @ 480Vac
00Vac, 66.5 A @ 480Vac
LG 0.8 LD
<3%
otection
Yes
Type II
Type II
Yes
Yes
Yes
Yes Yes
i es
nmunication
tors, Bluetooth + APP
Yes
: Dongle-WLAN-FE (Optional)
Dongle-4G (Optional)
: Dongle-4G (Optional) Transformer required)
Transformer required)
Transformer required) neral Data
neral Data nm (25.2 x 20.9 x 10.6 inch)
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb)
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F)
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb)
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F) art Air Cooling
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F) art Air Cooling 0 m (13,123 ft.)
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F) art Air Cooling 0 m (13,123 ft.) RH ~ 100% RH
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F) art Air Cooling 0 m (13,123 ft.) RH ~ 100% RH nphenol HH4
neral Data nm (25.2 x 20.9 x 10.6 inch) kg (108.1 lb) 0°C (-13°F ~ 140°F) art Air Cooling 0 m (13,123 ft.) RH ~ 100% RH nphenol HH4 nnector + OT/DT Terminal
n 9 6

Safety

Grid Connection Standards

EN 62109-1/-2, IEC 62109-1/-2, EN 50530, IEC 62116, IEC 60068, IEC 61683 IEC 61727, VDE-AR-N4105, VDE 0126-1-1, BDEW, G59/3, UTE C 15-712-1, CEI 0-16, CEI 0-21, RD 661, RD 1699, P.O. 12.3,RD 413, EN-50438-Turkey, EN-50438-Ireland, C10/11, MEA, Resolution No.7, NRS 097-2-1, AS/NZS 4777.2, DEWA

^{1.} The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.

2. Any DC input voltage beyond the operating voltage range may result in inverter improper operating.

3. SUN2000-30-50KTL-M3 raises potential between PV- and ground to above zero through integrated PID recovery function to recover module degradation from PID. Supported module types include: P-type (mono, poly), N-type (nPERT, HIT)

Preliminary version. For Reference only. Any datasheet issued previously becomes invalid when the official version is released.

The words and pictures in this release only reflect the preliminary status of the products and solutions. Because of the product development, the technical specifications from this version may change. We apologizeand willprovide you with the latest technical specifications for our products and solutions.

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