



The SUN2000 is a three-phase grid-tied PV string inverter that converts the DC power generated by PV strings into AC power and feeds the power into the power grid.

Updated Connecting an AC Output Power Cable. Updated Powering On the SUN2000. Updated Alarm Reference. Updated Acronyms and Abbreviations. Added the SUN2000-250KTL-H1, SUN2000-250KTL-H3, SUN2000-330KTL-H1, and SUN2000-330KTL-H2 models. Updated Model Number Description. Updated Installation Requirements. Updated Preparing Cables.

Preferentially connect the PE cable for the SUN2000 to the ground point on the enclosure. The ground point in the maintenance compartment is used for connecting to the PE wire of a multi-core AC power cable. Issue 07 (2023-06-30) Copyright © Huawei Technologies Co., Ltd.

The SUN2000 is integrated with a comprehensive residual current detection unit to distinguish fault current from residual current. Upon detecting that the residual current exceeds the threshold, the SUN2000 immediately disconnects from the power grid. Issue 07 (2023-06-30) Copyright © Huawei Technologies Co., Ltd.

Before installing and operating the SUN2000, ensure that you are familiar with the features, functions, and safety precautions provided in this document. Figures provided in this document are for reference only. This document is intended for photovoltaic (PV) plant operating personnel and qualified electricians.

Page 24 The SUN2000 supports the IT earthing system in PV-only scenarios. The use of the SUN2000 in other types of earthing systems,such as TT,TN-C,and TN-C-S,is not recommended. (If such an earthing system is encountered,contact the Company's engineers.) Issue 07 (2023-06-30) Copyright © Huawei Technologies Co.,Ltd.

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