



HUAWEI Smart PV Products Warranty and Service Conditions

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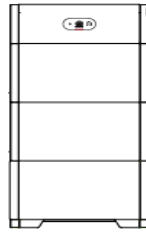


1. Applicable Products

The warranty and service conditions covered in this document are applicable for the following Huawei Smart PV Products.

Notice: For new products that are not listed in the below list, refer to the latest documents released by Huawei.

Products	Models	Photos for Illustration
➤ Smart PV Inverters	Single-phase Smart PV Inverters: ➤ SUN2000-2/3/3.68/4/4.6/5/6KTL-L1	
	Three-phase Smart PV Inverters: ➤ SUN2000-3/4/5/6/8/10KTL-M0 ➤ SUN2000-3/4/5/6/8/10KTL-M1 ➤ SUN2000-12/15/17/20KTL-M0 ➤ SUN2000-12/15/17/20KTL-M2 ➤ SUN2000-12/15/17/20/25K-MB0 ➤ SUN2000-12~25KTL-M5 ➤ SUN2000-36KTL ➤ SUN2000-20/30/36/40/50KTL-M3 ➤ SUN2000-60KTL-M0 ➤ SUN2000-90KTL-H2 ➤ SUN2000-105KTL-H1 ➤ SUN2000-100KTL-M1/M2 ➤ SUN2000-115KTL-M2 ➤ SUN2000-150KTL-MG0 ➤ SUN5000-150KTL-MG0 ➤ SUN 2000-185KTL-H1 ➤ SUN2000-200KTL-H2 ➤ SUN2000-215KTL-H0 ➤ SUN2000-330KTL-H1/H2	
➤ SmartLogger	➤ SmartLogger3000A ➤ SmartLogger3000B ➤ SmartModule1000A (Optional Add-On) ➤ SmartLogger2000	

➤ LUNA2000	➤ LUNA2000-(5-30)-S0	
➤ Smart Dongle	➤ Smart DongleA-05 ➤ Smart DongleA-03-EU	
➤ SmartACU	➤ SmartACU2000B ➤ SmartACU2000D	
➤ ACBox	➤ ACBox-2/1-D-S ➤ ACBox-2/1-D-C	
➤ Backup Box	➤ Backup Box-B0 ➤ Backup Box-B1	
➤ Smart PV Optimizer	➤ SUN2000-450W-P/P2 ➤ SUN2000-600W-P/P2 ➤ SUN2000-600W-P (long input power cable) ➤ MERC-1100W-P (short input power cable) ➤ MERC-1100W-P (long input power cable) ➤ MERC-1300W-P (short input power cable) ➤ MERC-1300W-P (long input power cable)	
➤ Smart Power Sensor	➤ DDSU666-H ➤ DTSU666-H 100A/50mA ➤ DTSU666-H 250A/50mA ➤ DTSU666-HW/YDS60-80	



➤ UPS	➤ 1.5kVA UPS	
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2. Warranty Period

The default warranty period of the Smart PV products is as below, which can be extended subject to Huawei's internal policy. The warranty and service conditions are also applicable to the warranty extension period.

2.1 Warranty Specification for Smart String inverter and Auxiliary Product

Products	Warranty Period	Warranty Commencement Date
➤ SUN2000-3/4/5/6/8/10KTL-M0 ➤ SUN2000-36KTL ➤ SUN2000-20/30/36/40/50KTL-M3 ➤ SUN2000-60KTL-M0 ➤ SUN2000-90KTL-H2 ➤ SUN2000-105KTL-H1 ➤ SUN2000-100KTL-M1/M2 ➤ SUN2000-115KTL-M2 ➤ SUN2000-150K-MG0 ➤ SUN 2000-185KTL-H1 ➤ SUN2000-200KTL-H2 ➤ SUN2000-215KTL-H0 ➤ SUN2000-330KTL-H1/H2	5 Years	Warranty commences from the 90th day after the date of the product shipment from Huawei, or the date on which Huawei receives a formal service request for the product, whichever is earlier.
➤ SUN2000-2/3/3.68/4/4.6/5/6KTL-L1 ➤ SUN2000-3/4/5/6/8/10KTL-M1 ➤ SUN2000-12/15/17/20KTL-M0 ➤ SUN2000-12/15/17/20KTL-M2 ➤ SUN2000-12/15/17/20/25K-MB0 ➤ SUN2000-12~25KTL-M5 ➤ SUN5000-150K-MG0	10 Years	
➤ Backup Box-B0 ➤ Backup Box-B1	24 months	
➤ ACBox-2/1-D-S ➤ ACBox-2/1-D-C ➤ 1.5kVA UPS	12 months	



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➤ SmartLogger3000A	24 months
➤ SmartLogger3000B	



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➤ SmartModule1000A (Optional Add-On) ➤ SmartACU2000D ➤ Smart DongleA-05 ➤ Smart DongleA-03-EU		
➤ SUN2000-450W-P/P2 ➤ SUN2000-600W-P/P2 ➤ SUN2000-600W-P (long input power cable) ➤ MERC-1100/1300W-P (long/short input power cable)	25 Years	
➤ DDSU666-H ➤ DTSU666-H 100A/50mA ➤ DTSU666-H 250A/50mA ➤ DTSU666-HW/YDS60-80	24 months	

2.2 Warranty Specification for Smart String Battery

Product	Warranty Period	Life Cycle Power During Warranty Period (Only for 5kWh battery pack)	Warranty Extension
LUNA2000	5 years	13.17Mwh@60% EOL	Not Applicable

Notices:

1. Battery warranty is defined as when the battery pack reaches the warranty period or the life cycle discharge is completed, the remaining capacity EOL meets the specification requirements, and the first comes into effect; the power module DCDC only involves the warranty period and has nothing to do with the battery performance. The battery pack and power module provide independent warranty.
2. Capacity test conditions: at an ambient temperature of $25^{\circ}\text{C}\pm 3^{\circ}\text{C}$, after charging to 100% SOC, let it stand for 10 minutes, and discharge the tested battery cell at a set current of 0.2C to the discharge termination voltage, and record the amount of electricity released in the process.
3. In order to remotely upgrade the latest firmware to ensure battery life, the battery is highly recommended to connect to the Huawei FusionSolar SmartPV management system.
4. After the battery is purchased, the installation needs to be completed within one month. If the battery fails, it needs to be reported within two weeks. The battery cell damage caused by the negligence of battery that cannot be charged for a long time is not covered by the warranty.
5. The operation and service life of battery are related to the working temperature. Please install the battery at a temperature equal to or better than the ambient temperature. The recommended working temperature for battery is $15\sim 30^{\circ}\text{C}$.



3. Warranty Services

Huawei provides remote support and hardware support services for Huawei Smart PV Products.

Warranty Services			
Warranty Service	Service Classification	Service Content	Availability
	Remote Support	Help Desk	http://e.huawei.com/en/service-hotline E-mail: APSupport@huawei.com 09:00 to 18:00 Monday to Friday (Business Days only)
		Remote Technical Support	09:00 to 18:00 Monday to Friday (Respond within 30Min, excl. lunch hour)
	Hardware Support (Exclude LUNA2000)	Hardware Replacement	Ship out in 2 Business Days* (if available) For details, see the Hardware Support clauses as below.
	Hardware Support (LUNA2000)	Hardware Replacement	Ship out in 30 Calendar Days* (if available) For details, see the Hardware Support clauses as below.

* Huawei will use commercially reasonable efforts to ship out a replacement part within two (2) business days after an RMA** (Return Material Authorization) is issued. Actual delivery time may vary, depending on site locations.

** The RMA is the approval from Huawei to return defective or faulty units. The RMA number allows for tracking of the returned units.

3.1 Remote Support

Remote Support means that Huawei provides solutions for technical enquiries or problems related to the Smart PV products under warranty by telephone or e-mail, including Help Desk and Remote Technical support.



- **Help Desk** provides technical support to Huawei's customers for Smart PV Products through email or hotlines below.

Email and Hotlines: <https://digitalpower.huawei.com/en/contact.html>

- **Remote Technical Support** includes technical enquiry and problem handling services. The technical enquiry service provides consultation services in respect of Huawei Smart PV Products. The problem handling service is to provide solutions to customers for Smart PV Products-related problems.

3.2 Hardware Support

- Huawei Smart PV products that are defective in material, fabrication or workmanship or do not meet the published specifications shall be replaced free of charge.
- If the delivery site is located in a remote island, customer is responsible for picking up the replacement product from Huawei local warehouse. Customer is also responsible for preparing the defective product (packed in the package from the replacement product) and returning defective product to Huawei local warehouse in 15 days. Additional charges may be incurred if the defective product is not returned in 15 Business Days after the replacement product is received by customer.
- If the delivery site is not located in a remote island, Huawei is responsible for delivering the replacement product to a location that is agreed by Huawei and the customer. After receiving the replacement product, customer shall prepare the defective product (packed in the package from the replacement product) within 15 Business Days. Huawei is responsible for picking up the packed defective product from a location that is agreed by Huawei and the customer. Additional charges may be incurred if the defective product is not packed and prepared in 15 Business Days.
- The original Spare part model, if no longer available, may be replaced with a similar Spare part model. The replacement Spare part provided by Huawei will be functionally equivalent to the customer's defective product in terms of features, functions, and compatibility. The software version shall be by default. In no event shall Huawei refund the Customer in cash or in kind if the Customer rejects to accept replacement with similar

spare part model.

- The warranty period of the replacement product shall follow the remainder of the original product warranty period.

4. Disclaimer

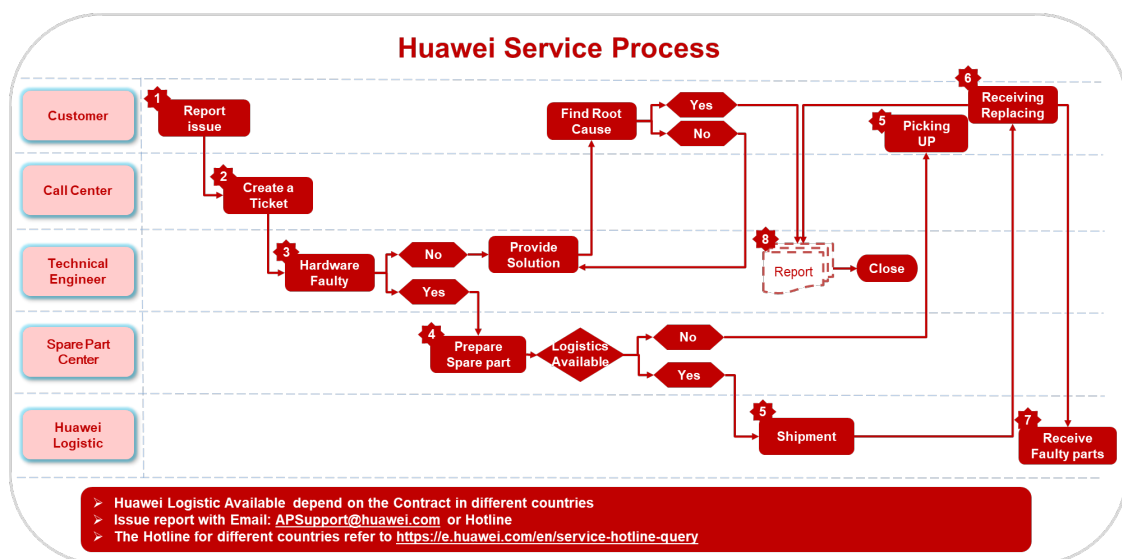
All above mentioned warranty and services only apply to Huawei Smart PV products, including inverters, SmartLoggers, Smart Dongles, SmartACU, ACBOX, Smart PV Optimizer, Smart Power Sensor and UPS.

- Other accessories and consumable parts, including but not limited to cables and connectors, are not covered by the warranty and services as above-mentioned.
- If Huawei is unable to fulfill the service commitments within the committed period of time due to non-Huawei causes, Huawei shall be exempted from responsibilities and related compensations.
- Warranties and service conditions shall not apply to the following circumstances:
 - Damage as a result of force majeure (natural disasters, fires and wars, etc.);
 - Damage as a result of natural wear and tear;
 - Direct damage caused by failure to meet system requirements, including but not limited to ambient environment or external electricity parameter settings, as stated in any written formats provided by Huawei;
 - Damage due to improper system design, including insufficient lightning protection;
 - Damage to hardware or data due to customer's negligence, inappropriate operation or intentional damage;
 - Damage caused by non-compliance to the operation manual of the product;
 - System damage caused by customers' or third parties' non-compliance to Huawei's requirements or instructions during installation or relocation of the system;
 - Damage caused by adjustment, change or removal of identification marks not complied with Huawei's requirements or instructions;

- Damage directly caused by non-Huawei related problems in customer's premises.

5. Huawei Service Organization

Huawei has built up excellent service teams worldwide. To support the warranty and services related to Smart PV products, Huawei has a support organization and the process is described below.



6. Product Lifecycle and Vulnerability management:

- **Product Lifecycle:** Supplier product lifecycle regulation is subject to the “Product End of Life Policy”, Purchaser can find the “Product End of Life Policy” in URL address of Supplier official website:
<https://support.huawei.com/ecolumnsweb/en/warranty-policy>
- **Vulnerability Management:** Except as otherwise explicitly provided by law, Supplier does not guarantee that the software, including but not limited to third party software or open source software, will perform error-free or uninterrupted or that Supplier will correct all errors. In addition, due to the continual development of new techniques for intruding upon and attacking networks, Supplier does not warrant



that the Software or any equipment, system or network on which the Software is used will be free of vulnerability to intrusion or attack.