VeraSol℠

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Steps to Certify Your Solar Energy Kit

Initial Engagement (typically 1 - 4 weeks)

Step 1: Contact one of VeraSol's authorized test lab partners. In parallel, contact VeraSol to complete a Master Service Agreement (MSA) if you have not already done so. (A VeraSol MSA remains valid for five years.)

Step 2: Review and approve the test plan and service order sent to you by the authorized test lab partner.

Sampling

Step 3: The test lab will coordinate random sampling with an approved sampling agent. Quality Test Method (QTM) samples are typically warehouse-selected. In general, 9 samples from a stock of 150 are required. (For products with multiple components, 9 complete kits can be sampled, or components can be sampled individually. The sample size for each component depends on the required tests.)

Step 4: Ship the packaged samples to the test lab.

Testing (typically 2 - 4 months)

Step 5: The lab will test the product according to IEC TS 62257-9-5. For questions or concerns during testing, communicate directly with the test lab. VeraSol will coordinate with the lab to review test results to ensure clarity and consistency.

Results and Corrective Actions

Step 6: Before issuing a final report, the test lab will notify you of any corrective actions needed to meet the requirements of IEC TS 62257-9-8.

- If changes to the packaging, user manual, or other consumer-facing documentation are required, the lab will arrange for review of the revised materials and will arrange warehouse inspections as needed.
- If retesting is required, the lab will develop a test plan and arrange for random sampling and retesting of the updated components.

Certification

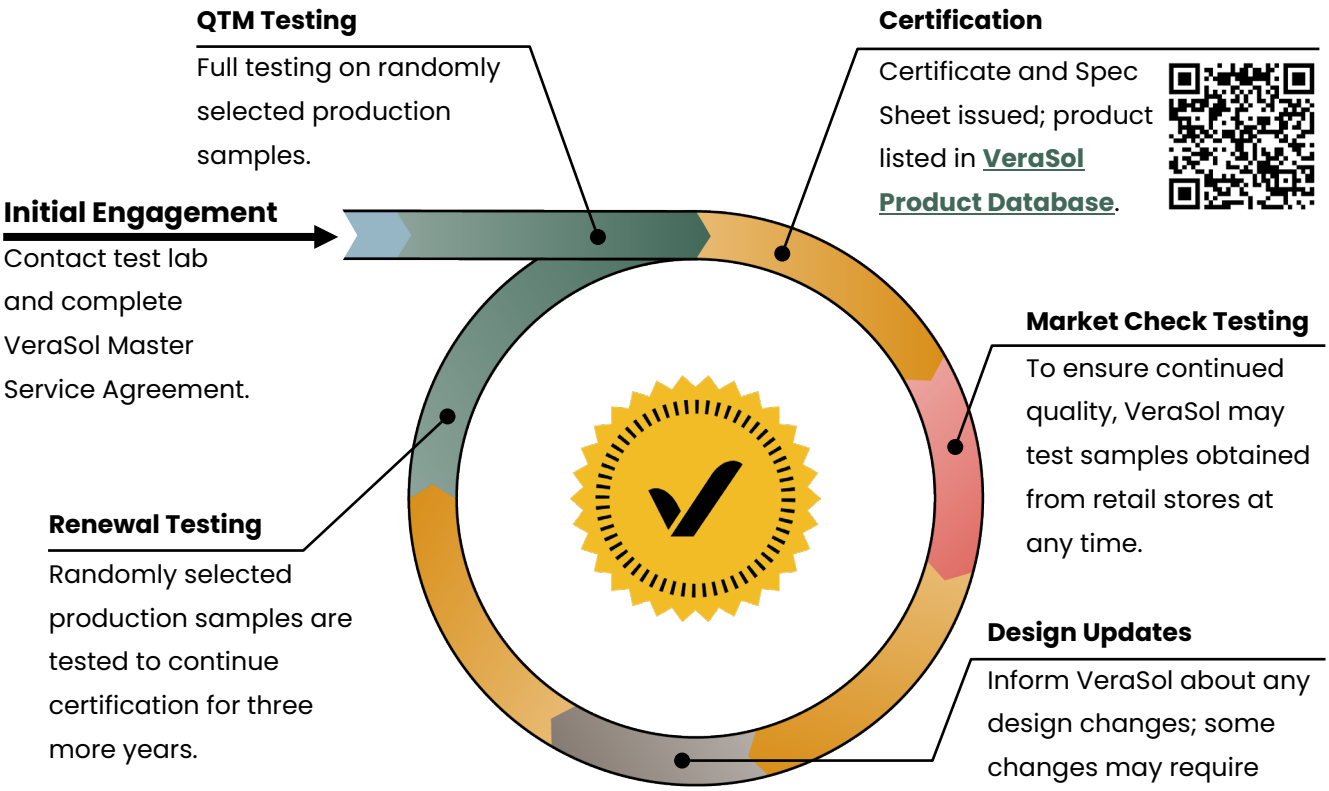
Step 7: Once any required corrective actions have been completed, the product will be VeraSol-certified. VeraSol will draft a Specification Sheet and Certificate, and the product will be listed in the VeraSol Product Database.

Step 8: Use the same steps to renew your certification before it expires in 3 years.

For a list of test lab partners authorized by VeraSol to conduct solar energy kit certification functions, scan the QR code or go to https://verasol.org/solutions/certification

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VeraSol Product Certification Lifecycle



When certifying multiple similar products, our Similar Products policy and our Framework for Testing Component Families may reduce testing time and costs. Find the full list of VeraSol policies at https://verasol.org/publications/ or scan the QR code.

VeraSol Test Methods

Defined in IEC TS 62257-9-5

Quality test method (QTM)	Market check method (MCM)	Renewal test method	Initial screening method (ISM)
Required for initial certification	**Required at VeraSol's discretion**	**Required every three years**	**Optional test to pre-check compliance[1]**
Random sampling from warehouse or retail	VeraSol obtains samples from retail or warehouse	Random sampling from warehouse or retail	Companies send samples directly to lab
9 samples required[2] from a stock of 150	Sampling requirements vary	9 samples required[2] from a stock of 150	3 samples required[2] (no minimum stock)
Full set of tests	Full set of tests	Some PV tests excluded	Full set of tests
2 to 5 months[2]	2 to 4 months[2]	2 to 4 months[2]	1 to 3 months[2]
Only accredited VeraSol test labs	Any VeraSol test lab	Only accredited VeraSol test labs	Any VeraSol test lab

[1] **ISM test reports cannot be used for VeraSol certification and should not be accepted as proof of conformity.**

[2] Sample quantities and test durations are typical values and may vary depending on product features and complexity. When planning for certification or renewal testing, additional time should be allowed for intake and corrective actions.

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VeraSol is managed by CLASP in collaboration with the Schatz Energy Research Center at Cal Poly Humboldt.