

Enphase Solar PV Installation Certification Training Practice Test (Sample)

Study Guide



Everything you need from our exam experts!

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Table of Contents

Copyright	1
Table of Contents	2
Introduction	3
How to Use This Guide	4
Questions	5
Answers	8
Explanations	10
Next Steps	16

Introduction

Preparing for a certification exam can feel overwhelming, but with the right tools, it becomes an opportunity to build confidence, sharpen your skills, and move one step closer to your goals. At Examzify, we believe that effective exam preparation isn't just about memorization, it's about understanding the material, identifying knowledge gaps, and building the test-taking strategies that lead to success.

This guide was designed to help you do exactly that.

Whether you're preparing for a licensing exam, professional certification, or entry-level qualification, this book offers structured practice to reinforce key concepts. You'll find a wide range of multiple-choice questions, each followed by clear explanations to help you understand not just the right answer, but why it's correct.

The content in this guide is based on real-world exam objectives and aligned with the types of questions and topics commonly found on official tests. It's ideal for learners who want to:

- Practice answering questions under realistic conditions,
- Improve accuracy and speed,
- Review explanations to strengthen weak areas, and
- Approach the exam with greater confidence.

We recommend using this book not as a stand-alone study tool, but alongside other resources like flashcards, textbooks, or hands-on training. For best results, we recommend working through each question, reflecting on the explanation provided, and revisiting the topics that challenge you most.

Remember: successful test preparation isn't about getting every question right the first time, it's about learning from your mistakes and improving over time. Stay focused, trust the process, and know that every page you turn brings you closer to success.

Let's begin.

How to Use This Guide

This guide is designed to help you study more effectively and approach your exam with confidence. Whether you're reviewing for the first time or doing a final refresh, here's how to get the most out of your Examzify study guide:

1. Start with a Diagnostic Review

Skim through the questions to get a sense of what you know and what you need to focus on. Your goal is to identify knowledge gaps early.

2. Study in Short, Focused Sessions

Break your study time into manageable blocks (e.g. 30 - 45 minutes). Review a handful of questions, reflect on the explanations.

3. Learn from the Explanations

After answering a question, always read the explanation, even if you got it right. It reinforces key points, corrects misunderstandings, and teaches subtle distinctions between similar answers.

4. Track Your Progress

Use bookmarks or notes (if reading digitally) to mark difficult questions. Revisit these regularly and track improvements over time.

5. Simulate the Real Exam

Once you're comfortable, try taking a full set of questions without pausing. Set a timer and simulate test-day conditions to build confidence and time management skills.

6. Repeat and Review

Don't just study once, repetition builds retention. Re-attempt questions after a few days and revisit explanations to reinforce learning. Pair this guide with other Examzify tools like flashcards, and digital practice tests to strengthen your preparation across formats.

There's no single right way to study, but consistent, thoughtful effort always wins. Use this guide flexibly, adapt the tips above to fit your pace and learning style. You've got this!

Questions

- 1. How often should you check your fall protection equipment?**
 - A. Never**
 - B. Before each use**
 - C. Once a week**
 - D. Monthly**

- 2. Envoy to Enlighten using an internet connection.**
 - A. Phone to Enlighten using an internet connection**
 - B. AP mode connection**
 - C. Envoy to Enlighten using an internet connection**
 - D. Envoy to Phone using internet**

- 3. What is the ratio between microinverters and PV modules in an Enphase PV system?**
 - A. 1:1**
 - B. 2:1**
 - C. 1:2**
 - D. 1:0.5**

- 4. Which tool is best for spotting sites that may need service or attention?**
 - A. The Dashboard**
 - B. The Installation Toolkit**
 - C. The System flyover**
 - D. Energy production graphs**

- 5. What is the maximum number of circuits that can be installed in an Enphase Combiner 3?**
 - A. 4**
 - B. 2**
 - C. 6**
 - D. 8**

- 6. Enphase Enlighten monitoring can display battery storage information if installed.**
- A. Yes**
 - B. Only for certain battery models**
 - C. No**
 - D. Not supported**
- 7. Which cord grip is recommended for the Q cable entering a junction box?**
- A. ½" UHF cable gland**
 - B. ½" VHS cable gland**
 - C. ½" UF cable gland**
 - D. ½" UV cable gland**
- 8. Which factor primarily impacts the maximum quantity of microinverters per AC branch circuit?**
- A. Light intensity and temperature averages at the installation site**
 - B. Conductor size (12 AWG) enclosed in the Q cable**
 - C. Microinverter DC input from solar panels**
 - D. Microinverter AC voltage and grid frequency**
- 9. Which statement is true about the terminator cap?**
- A. It is optional for exposed ends**
 - B. It increases current capacity**
 - C. It makes cut Q cable ends safe and waterproof**
 - D. It is used to connect two Q cables together**
- 10. Power and energy animations are included in Enlighten Manager, and to view microinverter data of six metrics per microinverter, solar professionals need to use the Enphase Installer Toolkit app.**
- A. False, Animations and data graphs and reports are available in Enlighten Manager**
 - B. True**
 - C. False, A separate desktop application is required**
 - D. False, Microinverter data cannot be viewed in Enlighten Manager**

Answers

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1. B
2. C
3. A
4. A
5. A
6. A
7. C
8. B
9. C
10. A

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Explanations

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1. How often should you check your fall protection equipment?

- A. Never
- B. Before each use**
- C. Once a week
- D. Monthly

Checking fall protection gear before each use is essential because the safety of a worker depends on the current condition of the equipment, not what it looked like last time or what it's rated to do. A quick, thorough per-use check helps catch damage or wear that can develop during storage, handling, or even from a minor incident, and it prevents a compromised system from failing during a fall. During the check, inspect all components: the harness webbing for cuts, frays, abrasion, or chemical damage; stitching integrity and proper adjustment of leg, chest, and shoulder straps; D-rings and buckles for deformation, cracks, or corrosion; the lanyard or energy absorber for fraying, cuts, or stiffness; and any connectors or carabiners for gate function, free movement, and locking capability. If you're using a self-retrieving line or a deceleration device, verify that the housing, cord, and retraction mechanism operate smoothly. Look for any impact indicators or signs that the equipment has undergone a fall or strong impact, and remove it from service if anything looks damaged or out of spec. Also ensure compatibility with other gear and that the equipment hasn't exceeded its manufacturer's service life or inspection requirements. If you waited weeks or months between checks, a damage or wear issue could go unnoticed and compromise safety in the moment of a fall. A before-each-use practice provides the most reliable protection by catching problems in time.

2. Envoy to Enlighten using an internet connection.

- A. Phone to Enlighten using an internet connection
- B. AP mode connection
- C. Envoy to Enlighten using an internet connection**
- D. Envoy to Phone using internet

The important idea here is how data from a solar system reaches the monitoring service. Enlighten is a cloud-based monitoring platform, so the Envoy gateway must send the collected data over an Internet connection to Enlighten. That is why describing the path as Envoy to Enlighten using an internet connection is the correct choice—the Envoy pushes data to the Enlighten cloud, not directly to a phone or through a local AP only. The other options describe data paths that don't align with how Enlighten receives information: a phone to Enlighten would imply the phone is the data source rather than the Envoy; AP mode is a local setup method that doesn't route data to Enlighten over the Internet; and Envoy to Phone using Internet suggests a direct Envoy-to-phone link rather than sending data to the Enlighten cloud.

3. What is the ratio between microinverters and PV modules in an Enphase PV system?

A. 1:1

B. 2:1

C. 1:2

D. 1:0.5

Each PV module in an Enphase system has its own microinverter, so there is a one-to-one relationship between modules and microinverters. This module-level approach means for every module you have exactly one microinverter, giving a 1:1 ratio. It enables independent optimization and monitoring of each module, improves shading tolerance, and simplifies system expansion. The other options would imply more than one microinverter per module or less than one per module, which doesn't match how Enphase systems are designed.

4. Which tool is best for spotting sites that may need service or attention?

A. The Dashboard

B. The Installation Toolkit

C. The System flyover

D. Energy production graphs

Spotting sites that may need service comes from watching system health indicators and alerts in the central Dashboard. This tool brings together the health status, fault codes, alarms, and event history for all installed systems, so you can quickly see which sites are flagged for attention. The color-coded status indicators and notification badges highlight problems at a glance and let you drill into details like recent events, production deviations, and recommended actions, which is exactly what you need to identify sites that may require service. Energy production graphs are great for spotting trends in how much energy a site is generating, but they don't automatically flag maintenance or service needs. They can hint at issues when production falls off, but you'd still rely on the Dashboard to confirm the fault and guide follow-up. The System flyover offers a quick snapshot, which is useful for a broad view, and the Installation Toolkit is geared toward setup and configuration rather than ongoing monitoring, so they aren't as effective for identifying sites needing service.

5. What is the maximum number of circuits that can be installed in an Enphase Combiner 3?

- A. 4**
- B. 2**
- C. 6**
- D. 8**

The number of circuits a combiner can handle is defined by how many input positions the unit provides for DC strings and their protection. The Enphase Combiner 3 is designed to accept four separate DC input circuits, each with its own protection. That means you can connect four distinct panel strings, fuse each one, and feed them into the rest of the system from this single box. This limit comes from the internal fuse blocks and the device's listing—it's built to safely manage four inputs. If you need more circuits, you'd add another combiner or use a higher-capacity model rather than exceeding this box's capacity.

6. Enphase Enlighten monitoring can display battery storage information if installed.

- A. Yes**
- B. Only for certain battery models**
- C. No**
- D. Not supported**

Enphase Enlighten reads data from every connected device in the system, including any energy storage. When a battery is physically installed and wired to the Enphase system, its information—such as state of charge, current energy in or out, and charge/discharge rates—is transmitted to Enlighten and can be viewed alongside solar production. If there's no battery installed, storage data won't appear. So the statement is true: battery storage information can be displayed in Enlighten when a battery is installed.

7. Which cord grip is recommended for the Q cable entering a junction box?

- A. ½" UHF cable gland**
- B. ½" VHS cable gland**
- C. ½" UF cable gland**
- D. ½" UV cable gland**

Selecting a cord grip is about matching the cable's jacket type and its size to the gland so the entry into the box is sealed and protected from movement. The Q cable uses an outdoor-rated jacket called UF (underground feeder). A UF-specific gland is designed to clamp around that jacket, create a tight seal against moisture, and provide proper strain relief as the cable enters the junction box. Using glands designed for other jacket types would likely not fit or seal correctly, which could allow water ingress or allow the cable to move and stress the connections.

- 8. Which factor primarily impacts the maximum quantity of microinverters per AC branch circuit?**
- A. Light intensity and temperature averages at the installation site**
 - B. Conductor size (12 AWG) enclosed in the Q cable**
 - C. Microinverter DC input from solar panels**
 - D. Microinverter AC voltage and grid frequency**

The limiting factor is the current-carrying capacity of the AC wiring. The Q cable uses 12 AWG conductors, and those conductors have a specific ampacity—the maximum current they can safely carry with the protective device in place. Each microinverter on the branch adds AC current to the circuit, so the total current from all installed units must stay below that ampacity. Once you reach that limit, you can't legally add more microinverters to the same branch without upgrading the conductor size or protection. Light intensity and temperature affect how much DC power the panels produce, not how much current the AC branch can carry. The DC input of the microinverters and the fixed AC voltage/grid frequency don't determine how many units can be on one branch—the conductor size does.

- 9. Which statement is true about the terminator cap?**
- A. It is optional for exposed ends**
 - B. It increases current capacity**
 - C. It makes cut Q cable ends safe and waterproof**
 - D. It is used to connect two Q cables together**

The terminator cap is a protective end treatment for cut Q cables. When a Q cable is trimmed to fit on-site, the exposed conductor and insulation can be vulnerable to moisture, dirt, and accidental contact. The terminator cap covers and seals that end, creating a safe, weatherproof termination that reduces the risk of shock and prevents water ingress or corrosion from entering the conductor. This helps maintain the reliability and longevity of the installation, especially in outdoor or wet environments. The cap does not increase current capacity because it isn't a conductor or a current-boosting component; its purpose is protection and safety. It also isn't a device used to join two cables; it is specifically for capping an exposed end. So, the true statement is that the terminator cap makes cut Q cable ends safe and waterproof.

10. Power and energy animations are included in Enlighten Manager, and to view microinverter data of six metrics per microinverter, solar professionals need to use the Enphase Installer Toolkit app.

A. False, Animations and data graphs and reports are available in Enlighten Manager

B. True

C. False, A separate desktop application is required

D. False, Microinverter data cannot be viewed in Enlighten Manager

Enlighten Manager provides both power and energy animations and the ability to view data graphs and reports, so you can visualize how energy flows and review performance directly in that platform. The Installer Toolkit app isn't required to access microinverter data; you can see six metrics per microinverter within Enlighten Manager itself. The idea that you must use the Installer Toolkit to view these metrics is not correct, and a separate desktop application isn't needed for this purpose. The statement that microinverter data cannot be viewed in Enlighten Manager is also incorrect because that data is accessible there.

Next Steps

Congratulations on reaching the final section of this guide. You've taken a meaningful step toward passing your certification exam and advancing your career.

As you continue preparing, remember that consistent practice, review, and self-reflection are key to success. Make time to revisit difficult topics, simulate exam conditions, and track your progress along the way.

If you need help, have suggestions, or want to share feedback, we'd love to hear from you. Reach out to our team at hello@examzify.com.

Or visit your dedicated course page for more study tools and resources:

<https://enphasesolarpvinstallation.examzify.com>

We wish you the very best on your exam journey. You've got this!