

New PVIP Exam Test | PVIP Exam Study Guide

Question #1

Most electric service providers require interactive PV equipment to comply with which for interconnection to their distribution grid?

- A. UL 16998
- B. UL 1741
- C. UL 2703
- D. UL 60947-1

Answer: D

Question #2

When installing an ungrounded PV system with an open-circuit voltage of 450Vdc and a maximum voltage of 3000Vdc which procedures should be followed to establish an electrically safe condition?

- A. Determine possible sources electrical supply and avoid exposure to energized conductors or parts.
- B. Apply lockout/tag out devices and install a listed isolation transformer.
- C. Mount inverters on non conductive supports and temporarily ground one dc circuit conductor.
- D. Verify that disconnecting device blades are closed and test conductors using an adequately rated detector.

Answer: A

Question #3

In the middle of a winter day, the data acquisition system for a ground-mounted PV system with large central inverters sends an email alert that system performance is at 50% based on irradiance and temperature performance calculations. No inverters are completely offline. The closest technician is a 4-hour drive from the site, and there are no cameras on site. Which is the BEST response to this situation?

- A. Dispatch the technician to the site to investigate the low performance issue in person.
- B. Review power output and weather conditions via the monitoring portal, and review local weather reports.
- C. Report the low performance to the inverter manufacturer and request that a technician be sent to the site for a warranty claim.
- D. Call the data acquisition company to report a monitoring system failure.

Answer: B

PVIP Exam Questions

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NABCEP PVIP Board Certification Exam is a critical step for solar PV installers who want to demonstrate their knowledge and expertise in the industry. PV Installation Professional (PVIP) Board Certification certification not only helps individuals advance their careers but also helps to promote the growth and adoption of renewable energy solutions. With the demand for solar energy increasing rapidly, the NABCEP PVIP certification is an important investment for those who want to stay ahead of the curve in this rapidly evolving industry.

The PV Installation Professional (PVIP) Board Certification certification exam covers a wide range of topics that are relevant to the installation, operation, and maintenance of PV systems. These topics include, but are not limited to, site analysis, system design, installation, commissioning, and warranty procedures. PVIP Exam also covers electrical fundamentals, safety protocols, and codes and standards. Passing PVIP exam requires a deep understanding of the various components of a PV system and the nuances involved in their installation and operation.

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For candidates who will attend the exam, some practice is necessary. PVIP exam materials are valid and high-quality. We have a professional team to search for the first-hand information for the exam. We also have strict requirements for the questions and answers of PVIP exam materials, we ensure you that the PVIP Training Materials are most useful tool, which can help you pass the exam just one time. In addition, we offer you free update for one year after purchasing, we also have online service stuff, if you have any questions, just contact us.

NABCEP PVIP Board Certification Exam is a challenging exam that requires a significant amount of preparation. Candidates must be well-versed in all aspects of solar PV installation and must have a solid understanding of the National Electric Code (NEC) and other relevant codes and standards. Preparation for the exam typically involves a combination of classroom training, on-the-job experience, and self-study.

NABCEP PV Installation Professional (PVIP) Board Certification Sample Questions (Q106-Q111):

NEW QUESTION # 106

A connector not listed to be used in a concealed location and being used as a disconnect for PV equipment shall comply with which of the following?

- A. The connector shall be installed so as to guard against inadvertent contact with live parts by persons.
- B. The connector shall have a non-polarized configuration.
- C. The grounding member shall be interconnectable with receptacles in other electrical systems.
- D. The grounding member shall be last to make and first to break contact with the mating connector

Answer: A

NEW QUESTION # 107

An installer was asked to provide a means to measure the voltage of each battery in a system. The bank is located 50 ft. From the data logger. The installer will be using shielded. Twisted pairs of instrumentation wiring, all run in the bundle a conduct. The signals are connected to isolated and ungrounded inputs at a data logger. Which safety precaution is MOST needed to protect the instrumentation wiring?

- A. Each set of twisted pairs must be provided with properly rated fuses that are physically located at the battery.
- B. An appropriately rated and sized of resistive elements for each twisted pair be located at, or very near to, the data logger terminals
- C. Individual nonfused disconnects are required for each set of wiring because all of the signals must be isolated from each other.
- D. The instrument wiring must be large (larger than # 18 AWG) to handle current from each battery and must be a double-insulated type.

Answer: A

NEW QUESTION # 108

A ground-mount PV system is planned for a site with a soil bearing capacity of 2000 psf. The array footing design requires a minimum bearing pressure of 1500 psf. What is the safety factor for this installation?

- A. 2.0
- B. 1.5
- C. 0.75
- D. 1.33

Answer: D

NEW QUESTION # 109

An installer is using 1/2 in lag bolts to secure roof-monitoring hardware to rafters through a roof deck. Which of the following should the installer predrill?

- A. A pilot hole one-half the length of the bolt

- B. A 1/8 in. pilot hole through the roof into the rafter
- C. A pilot hole one-fourth the length of the bolt
- D. A 5/16 in pilot hole through the roof into the rafter

Answer: D

NEW QUESTION # 110

According to the 2020 National Electrical Code (NEC), what is the minimum required working clearance in front of a 1000V DC PV inverter installed in a non-dwelling unit?

- A. 36 inches wide, 36 inches deep
- B. 48 inches wide, 48 inches deep
- C. 36 inches wide, 48 inches deep
- D. 30 inches wide, 36 inches deep

Answer: A

NEW QUESTION # 111

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