

Latest PVIP Dumps Ppt | PVIP Relevant Questions

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

NEW QUESTION # 106

A AWG THWN-2 PV output conductors from two PV arrays are run in the same 3 in, conduit to their respective functionally grounded inverters in the building. The three PV source circuits are each protected by a 15A fuse in the combiner box at the array. The conduit, which is strapped directly to the roof, is exposed to design temperatures of 140' F (60' C) during its 30 ft. Exposed run. What is the MAXIMUM current carrying capability value of the PV output conductors?

- A. 61A
- B. 54A
- C. 42A
- D. 34A

Answer: D

NEW QUESTION # 107

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

Answer: A

NEW QUESTION # 108

An installer is terminating PV conductors in a combiner box. What is the minimum torque specification for a 10 AWG connection if not specified by the manufacturer?

- A. 30 in-lb
- B. 20 in-lb
- C. 40 in-lb
- D. 10 in-lb

Answer: B

NEW QUESTION # 109

The point-of-utility connection of a residential utility-interactive PV system is in the main distribution panel. If the busbars of the main distribution panel are rated at 200A, and if the distribution panel has a 200A main breaker, the rated output current of the inverter cannot exceed.

- A. 200A
- B. 32A
- C. 24A
- D. 40A

Answer: B

NEW QUESTION # 110

A grounding electrode is required at the location of all ground-mounted and pole-mounted PV arrays. Which type of grounding electrode is NOT permitted for arrays. Which type of the grounding electrode is NOT permitted for array grounding?

- A. Aluminum structural member in direct contact with the earth for 10ft, or more

- B. Concrete-encased 4 AWG copper conductor at least 20 ft. in length
- C. Metal underground water pipe in direct contact with the earth for 10 ft. or more.
- D. Metal frame of a building or structure in direct with the earth for 10 ft. or more.

Answer: A

NEW QUESTION # 111

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