

power converters, or a dc PV system disconnecting means. (690) (CMP-4)

N PV DC Circuit, String. (PV String Circuit) The PV source circuit conductors of one or more series-connected PV modules. (690) (CMP-4)

N PV Module (Module). A complete, environmentally protected unit consisting of solar cells and other components designed to produce dc power. (CMP-4)

An alternating current (ac) PV module consists of a single integrated unit. Because there is no accessible, field-installed dc wiring in this single unit, the direct current (dc) PV source-circuit requirements in the *NEC* are not applicable to the dc wiring in an ac PV module.

PV (Photovoltaic) System (PV System) (Photovoltaic System). The total components, circuits, and equipment up to and including the PV system disconnecting means that, in combination, convert solar energy into electric energy. (CMP-4)

Qualified Person. One who has skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to recognize and avoid the hazards involved. (CMP-1)

Informational Note: See NFPA 70E-2021, *Standard for Electrical Safety in the Workplace*, for electrical safety training requirements.

Section 110.6(A) of the 2021 edition of *NFPA 70E®*, *Standard for Electrical Safety in the Workplace®*, provides training requirements for qualified and unqualified persons who might be exposed to electrical hazards.

Δ Raceway. An enclosed channel designed expressly for holding wires, cables, or busbars, with additional functions as permitted in this *Code*. (CMP-8)

Cable trays are support systems for wiring methods and are not considered to be raceways.

See also

Article 392 for cable tray requirements

N Raceway Cell. A single enclosed tubular space in a cellular metal or concrete floor member, the axis of the cell being parallel to the axis of the floor member. (CMP-8)

N Raceway, Cellular Metal Floor. (Cellular Metal Floor Raceway) The hollow spaces of cellular metal floors, together with suitable fittings, that may be approved as enclosed channel for electrical conductors. (CMP-8)

Raceway, Communications. (Communications Raceway) An enclosed channel of nonmetallic materials designed expressly for holding communications wires and cables; optical fiber cables; data cables associated with information technology and communications equipment; Class 2, Class 3, and Type PLTC cables; and power-limited fire alarm cables in plenum, riser, and general-purpose applications. (CMP-16)

N Raceway, Strut-Type Channel. (Strut-Type Channel Raceway) A metal raceway that is intended to be mounted to the surface of or suspended from a structure, with associated accessories for the installation of electrical conductors and cables. (CMP-8)

N Raceway, Surface Metal. (Surface Metal Raceway) A metal raceway that is intended to be mounted to the surface of a structure, with associated couplings, connectors, boxes, and fittings for the installation of electrical conductors. (CMP-8)

N Raceway, Surface Nonmetallic. (Surface Nonmetallic Raceway) A nonmetallic raceway that is intended to be mounted to the surface of a structure, with associated couplings, connectors, boxes, and fittings for the installation of electrical conductors. (CMP-8)

N Raceway, Underfloor. (Underfloor Raceway) A raceway and associated components designed and intended for installation beneath or flush with the surface of a floor for the installation of cables and electrical conductors. (CMP-8)

N Rail. The structural support for the suspended ceiling system typically forming the ceiling grid supporting the ceiling tile and listed utilization equipment, such as sensors, actuators, A/V devices, and low-voltage luminaires and similar electrical equipment. (393) (CMP-18)

Rainproof. Constructed, protected, or treated so as to prevent rain from interfering with the successful operation of the apparatus under specified test conditions. (CMP-1)

See also

110.28 and its commentary for more information on enclosures considered to be rainproof

Raintight. Constructed or protected so that exposure to a beating rain will not result in the entrance of water under specified test conditions. (CMP-1)

See also

Table 110.28 for information on enclosure types that are considered to be raintight

300.6(A)(2) for related requirements for raintight boxes and cabinets

N Rated-Load Current (RLC). The current of a hermetic refrigerant motor-compressor resulting when it is operated at the rated load, rated voltage, and rated frequency of the equipment it serves. (440) (CMP-11)

N Rated Output Power. The amplifier manufacturer's stated or marked output power capability into its rated load. (640) (CMP-12)

N Rated Power. The output power of a wind turbine at its rated wind speed. (694) (CMP-4)

Informational Note: See IEC 61400-12-1, *Power Performance Measurements of Electricity Producing Wind Turbines*, for the method for measuring wind turbine power output.