

System

New rooftop residential PV systems only: One- or two-family dwelling

Installed by contractor with current Tustin Business License

No building integrated solar systems

Tustin Standard PV notes apply located on the SolarApp+ section of the Building page on our website

Planning

Site not eligible if located within City's Cultural Resource District

Site not eligible if located within City's Historic Resource Survey

Electrical

Limited to 2020 NEC

600V Max per DC System Size

Single phase only

No Aluminum Wires

Must Use 600V rated PV wire (due to outer diameter > 0.24" (6.1mm))

Must use 90°C rated insulated wire

Height of rooftop conduit $\geq 7/8$ "

Max 2 DC strings in parallel

Max 9 current carrying conductors in a raceway

Inverter output circuit conductors must be THWN-2, or listed NM

Terminals must be rated to 75°C, labeled for use with Cu wires, and accept minimum 8 AWG wire

If using microinverter, 1 module per microinverter

Permitted to install no more than 400A Service

Permitted to install no more than 225A Service Disconnect

Permitted to install no more than 225A busbars

No existing PV on the same building

May install only 1 module type

May install only 1 racking system type

May install up to 2 Inverters for String Inverters, up to 1 inverter type for Micro-inverters and AC modules Systems

Only EMT conduits may be used

Modules and Inverters must be listed by UL

Flat Plate PV Modules Only

No trenching allowed

All power production inverter outputs have the same point of connection

Panel upgrades and derates must be preexisting and not changing location

Structural

2021 IBC, 2022 CBC

PV system + hardware weight is less than or equal to 4psf

Limited to 6" above the roof for pitched (>2/12) roof

No metal roof or low-slope roof in areas with > 15psf snow load

Only Class A roofing permitted

No carports or non-permanent structures; Rooftop on residential structure only

No ground mounted systems

Only one type of mounting hardware system per project: Flush mounted or parallel to roof structure

Fire

2021 IRC, 2022 CRC