

**Recommendations for Dimensions of Post Hole for Standard Installation
of General Specialties Top of Pole Mounts**

R-13

UPM Model	Depth of Hole	Width of Square Hole / Cubic Yards of concrete needed	Diameter of Round Hole / Cubic Yards of concrete needed
All 3X	48"	16" / .26 CY	20" / .32 CY
All 4X	50"	18" / .34 CY	23" / .44 CY
All 6X, 6X Custom	54"	24" / .66 CY	30" / .81 CY
All 8X	58"	32" / 1.27 CY	40" / 1.56 CY
All 10X	68"	36" / 1.88CY	45" / 2.31 CY
All 10X HD	80"	40" / 2.74 CY	50" / 3.36 CY
All 12X HD	85"	42" / 3.21 CY	52" / 3.86 CY
All 15X	90"	46" / 4 CY	57" / 4.92 CY
All 18X	96"	46" / 4.35	57" / 5.25 CY

Your building department may require the foundation for a PV array post mount to be designed by a structural engineer licensed in the state where the PV array is to be erected. This is required because failure of a post mount foundation may be a threat to the safety of people and property in it's proximity. At a minimum, failure will result in costly damage to the PV modules. The foundation described here is suitable for most soil types, but no warranty of it's suitability for your particular soil or wind conditions is offered or implied.

If you are unable to dig holes of these dimensions because you encounter bed rock or if you have very loamy or loose sandy soil, (get the recommendation of a soil engineer or building department), then you may have to seek a design for an alternative foundation construction.

For type and size of pole to install in concrete foundation, refer to General Specialties Pole Height and Dimension Chart.

