

General Specialties Recommendations for Pole Height and Dimension.

We can not guarantee a standard 1.67 safety factor if these recommendations are not observed. Since we can not assess each customer's individual site and conditions, a professional installer and the local building department should be consulted for the safest and most effective installation.

UPM Model	Post Size (Sch = Schedule, or thickness of pipe wall)	Array Surface Max Sq Footage	Max Pole Height Above Concrete Base W/ Array @ 45° Tilt	Clearance Between top of Concrete and Lowest Point on Array @ 45° Tilt	Max Pole Height Above Concrete Base W/ Array @ 60° Tilt	Clearance Between top of Concrete and Lowest Point on Array @ 60° Tilt	Max Pole Height Above Concrete Base W/ Array @ 90° Tilt	Clearance Between top of Concrete and Lowest Point on Array @ 90° Tilt
			See Footnote 2	See Footnote 2				
UPM 3X	4" Sch 40 4½"OD	33 Sq Ft	10'	8'	8'	5' 5"	7'	3' 10"
	4" Sch 80 4½"OD		13' 6"	11' 6"	11'	8' 5"	9' 6"	6' 4"
UPM 4X	4" Sch 40 4½"OD	43.5 Sq Ft	7' 6"	4' 8"	6'	2' 6"	5' 3"	1' 1"
	4" Sch 80 4½"OD		10'	7' 2"	8'	4' 6"	6' 9"	2' 9"
UPM 6X	5" Sch 40 5⅝"OD	65 Sq Ft	8' 6"	6' 6"	7'	4' 5"	5' 9"	2' 7"
	5" Sch 80 5⅝"OD		11' 9"	9' 9"	9' 6"	6' 11"	8' 3"	5' 1"
UPM 8X	6" Sch 40 6⅝" OD	87 Sq Ft	10'	7' 2"	8'	4' 6"	6' 9"	2' 7"
	6" Sch 80 6⅝" OD		14' 6"	11' 8"	11' 9"	8' 3"	10' 3'	6' 1"
UPM 10X	6" Sch 40 6⅝" OD	109.5 Sq Ft	8'	4' 8"	6' 3"	1' 11"	See Footnote 1	See Footnote 1
	6" Sch 80 6⅝" OD		11' 6"	8' 2"	9' 3"	4' 11"	8'	2' 8"
UPM 10X HD	6" Sch 40 6⅝" OD	140.5 Sq Ft	6'	1' 9"	See Footnote 1	See Footnote 1	See Footnote 1	See Footnote 1
	6" Sch 80 6⅝" OD		8' 9"	4' 6"	7' 3"	1' 11"	See Footnote 1	See Footnote 1
UPM 12X	8" Sch 40 8⅝" OD	140.5 Sq Ft	12' 6"	8' 3"	10'	4' 8"	8' 9"	3' 5"
	8" Sch 80 8⅝" OD		18' 3"	14'	15'	9' 8"	12' 9"	7' 5"
UPM 12X	6" Sch 40 6⅝" OD	130 Sq Ft	6' 6"	1' 5"	See Footnote 1	See Footnote 1	See Footnote 1	See Footnote 1
	6" Sch 80 6⅝" OD		9' 6"	5' 3"	7' 9"	2' 5"	See Footnote 1	See Footnote 1
UPM 12X	8" Sch 40 8⅝" OD	130 Sq Ft	13' 6"	9' 3'	11'	5' 8"	9' 3"	2' 10"
	8" Sch 80 8⅝" OD		19' 9"	15' 6"	16'	10' 8"	13' 9"	7' 4"

UPM 12X HD	8" Sch 80 8 $\frac{5}{8}$ " OD	170 Sq Ft	15'	11' 8"	12' 3"	7' 11"	10' 6"	5' 2"
	10" Sch 40 10 $\frac{3}{4}$ "OD 10" Sch 80 10 $\frac{3}{4}$ "OD	170 Sq Ft	18' 6" 21'	15' 2" 17' 8"	15' 21'	10' 8" 16' 8"	12' 9" 20'	7' 5" 14' 10"
UPM 15X	8" Sch 80 8 $\frac{5}{8}$ " OD	212 Sq Ft	12'	7' 9"	9' 6"	4' 2"	8' 3"	1' 10"
	10" Sch 40 10 $\frac{3}{4}$ "OD 10" Sch 80 10 $\frac{3}{4}$ "OD	212 Sq Ft	14' 9" 21'	10' 6" 16' 9"	11' 9" 18' 3"	6' 5" 12' 11"	10' 3" 16'	3' 10" 16'
UPM 18X	8" Sch 80 8 $\frac{5}{8}$ " OD	255 Sq Ft	10'	4' 7"	8'	1' 7"	See Footnote 1	See Footnote 1
	10" Sch 40 10 $\frac{3}{4}$ "OD 10" Sch 80 10 $\frac{3}{4}$ "OD	255 Sq Ft	12' 3" 18' 9"	7' 13' 6"	9' 9" 15' 3"	3' 4" 8' 10"	See Footnote 1 13'	See Footnote 1 5' 4"

Footnote 1: There is not adequate clearance for these arrays with this size pipe. Use heavier schedule pipe or larger pipe diameter

Footnote 2: For UPMs 12X HD, 15X and 18X, we do not recommend tilting past 60° without using the optional 90° Bracket Kit. This kit fastens the array to the pole below the tee top which is the safest and strongest possible attachment for the 90° vertical position. Most mounts do not need to be tilted past 70° unless they are in far north latitudes or in areas with extreme snow loads.

