



| ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of P4 rail with 66" Maximum Module Length and building height ≤30 | | | | | | | | | | | | | |
|--|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|---------------|
| Snow Load, Pg (psf) | Windspeed (mph) | | | | | | | | | | | Roof Pitch | |
| | 105 | 110 | 115 | 120 | 130 | 140 | 150 | 160 | 165 | 170 | 180 | | 200 |
| 0 | 62 | 59 | 57 | 55 | 51 | 48 | 45 | 42 | 41 | 40 | 38 | 34 | 0 ≤ 7° |
| 10 | 56 | 54 | 53 | 52 | 49 | 47 | 45 | 42 | 41 | 40 | 38 | 34 | |
| 15 | 51 | 50 | 49 | 48 | 46 | 44 | 42 | 41 | 40 | 39 | 37 | 34 | |
| 20 | 47 | 47 | 46 | 45 | 43 | 42 | 40 | 39 | 38 | 37 | 36 | 33 | |
| 25 | 45 | 44 | 43 | 42 | 41 | 40 | 38 | 37 | 36 | 35 | 34 | 32 | |
| 30 | 42 | 41 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 31 | |
| 40 | 38 | 38 | 37 | 37 | 36 | 35 | 34 | 33 | 33 | 32 | 31 | 30 | |
| 50 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 30 | 30 | 28 | |
| 60 | 32 | 32 | 32 | 32 | 31 | 31 | 30 | 29 | 29 | 29 | 28 | 27 | |
| 0 | 65 | 62 | 60 | 58 | 54 | 50 | 47 | 44 | 43 | 42 | 40 | 36 | 7° < 0 ≤ 27° |
| 10 | 57 | 56 | 54 | 53 | 51 | 48 | 46 | 44 | 43 | 42 | 40 | 36 | |
| 15 | 52 | 51 | 50 | 49 | 47 | 45 | 44 | 42 | 41 | 40 | 39 | 36 | |
| 20 | 48 | 48 | 47 | 46 | 44 | 43 | 41 | 40 | 39 | 38 | 37 | 35 | |
| 25 | 45 | 45 | 44 | 43 | 42 | 41 | 39 | 38 | 37 | 37 | 36 | 33 | |
| 30 | 43 | 42 | 42 | 41 | 40 | 39 | 38 | 36 | 36 | 35 | 34 | 32 | |
| 40 | 38 | 38 | 38 | 37 | 36 | 36 | 35 | 34 | 33 | 33 | 32 | 30 | |
| 50 | 35 | 35 | 35 | 35 | 34 | 33 | 32 | 32 | 31 | 31 | 30 | 29 | |
| 60 | 32 | 32 | 32 | 32 | 32 | 31 | 31 | 30 | 30 | 29 | 29 | 28 | |
| 0 | 62 | 59 | 57 | 55 | 51 | 48 | 45 | 42 | 41 | 40 | 38 | 34 | 27° < 0 ≤ 45° |
| 10 | 56 | 54 | 53 | 52 | 49 | 47 | 45 | 42 | 41 | 40 | 38 | 34 | |
| 15 | 51 | 50 | 49 | 48 | 46 | 44 | 42 | 41 | 40 | 39 | 37 | 34 | |
| 20 | 47 | 47 | 46 | 45 | 43 | 42 | 40 | 39 | 38 | 37 | 36 | 33 | |
| 25 | 45 | 44 | 43 | 42 | 41 | 40 | 38 | 37 | 36 | 35 | 34 | 32 | |
| 30 | 42 | 41 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 31 | |
| 40 | 38 | 38 | 37 | 37 | 36 | 35 | 34 | 33 | 33 | 32 | 31 | 30 | |
| 50 | 35 | 35 | 34 | 34 | 33 | 33 | 32 | 31 | 31 | 30 | 30 | 28 | |
| 60 | 32 | 32 | 32 | 32 | 31 | 31 | 30 | 29 | 29 | 29 | 28 | 27 | |

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact DPW Solar for consultation.

| ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of P4 rail with 77" Maximum Module Length and building height ≤30 | | | | | | | | | | | | | |
|--|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|---------------|
| Snow Load, Pg (psf) | Windspeed (mph) | | | | | | | | | | | Roof Pitch | |
| | 105 | 110 | 115 | 120 | 130 | 140 | 150 | 160 | 165 | 170 | 180 | | 200 |
| 0 | 57 | 55 | 53 | 51 | 47 | 44 | 42 | 39 | 38 | 37 | 35 | 32 | 0 ≤ 7° |
| 10 | 51 | 50 | 49 | 48 | 45 | 43 | 41 | 39 | 38 | 37 | 35 | 32 | |
| 15 | 47 | 46 | 45 | 44 | 42 | 41 | 39 | 37 | 37 | 36 | 35 | 32 | |
| 20 | 44 | 43 | 42 | 42 | 40 | 39 | 37 | 36 | 35 | 34 | 33 | 31 | |
| 25 | 41 | 41 | 40 | 39 | 38 | 37 | 35 | 34 | 34 | 33 | 32 | 30 | |
| 30 | 39 | 38 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 32 | 31 | 29 | |
| 40 | 35 | 35 | 34 | 34 | 33 | 32 | 31 | 31 | 30 | 30 | 29 | 27 | |
| 50 | 32 | 32 | 32 | 32 | 31 | 30 | 29 | 29 | 28 | 28 | 27 | 26 | |
| 60 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 26 | 25 | |
| 0 | 60 | 58 | 55 | 53 | 50 | 46 | 44 | 41 | 40 | 39 | 37 | 33 | 7° < 0 ≤ 27° |
| 10 | 53 | 52 | 50 | 49 | 47 | 45 | 43 | 41 | 40 | 39 | 37 | 33 | |
| 15 | 48 | 47 | 46 | 45 | 44 | 42 | 40 | 39 | 38 | 37 | 36 | 33 | |
| 20 | 45 | 44 | 43 | 42 | 41 | 40 | 38 | 37 | 36 | 35 | 34 | 32 | |
| 25 | 42 | 41 | 41 | 40 | 39 | 38 | 36 | 35 | 34 | 33 | 32 | 31 | |
| 30 | 40 | 39 | 38 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | |
| 40 | 36 | 35 | 35 | 35 | 34 | 33 | 32 | 31 | 31 | 30 | 29 | 28 | |
| 50 | 32 | 32 | 32 | 32 | 31 | 31 | 30 | 29 | 29 | 28 | 28 | 27 | |
| 60 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 26 | 25 | |
| 0 | 57 | 55 | 53 | 51 | 47 | 44 | 42 | 39 | 38 | 37 | 35 | 32 | 27° < 0 ≤ 45° |
| 10 | 51 | 50 | 49 | 48 | 45 | 43 | 41 | 39 | 38 | 37 | 35 | 32 | |
| 15 | 47 | 46 | 45 | 44 | 42 | 41 | 39 | 37 | 37 | 36 | 35 | 32 | |
| 20 | 44 | 43 | 42 | 42 | 40 | 39 | 37 | 36 | 35 | 34 | 33 | 31 | |
| 25 | 41 | 41 | 40 | 39 | 38 | 37 | 35 | 34 | 33 | 32 | 31 | 30 | |
| 30 | 39 | 38 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | |
| 40 | 35 | 35 | 34 | 34 | 33 | 32 | 31 | 30 | 29 | 29 | 28 | 27 | |
| 50 | 32 | 32 | 32 | 32 | 31 | 30 | 29 | 29 | 28 | 28 | 27 | 26 | |
| 60 | 29 | 29 | 29 | 29 | 29 | 28 | 28 | 27 | 27 | 27 | 26 | 25 | |

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact DPW Solar for consultation.