



**ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of UD 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	175	169	162	156	145	136	128	120	117	113	107	97	0 ≤ 7°
10	157	154	150	146	139	133	127	120	117	113	107	97	
15	145	142	139	136	130	125	120	115	113	111	106	97	
20	135	132	130	127	123	118	114	110	108	106	102	95	
25	126	124	122	120	116	113	109	105	103	102	98	92	
30	120	118	116	114	111	108	104	101	100	98	95	89	
40	109	107	106	105	102	99	97	94	93	92	89	84	
50	98	98	98	97	95	93	91	89	87	86	84	80	
60	90	90	90	90	89	87	86	84	83	82	80	77	
0	183	176	170	164	152	143	134	126	123	119	113	102	7° < 0 ≤ 27°
10	162	158	154	151	144	138	132	126	123	119	113	102	
15	148	145	142	139	134	129	124	119	117	115	110	102	
20	137	135	133	130	126	122	117	113	111	109	106	99	
25	129	127	125	123	119	115	112	108	106	105	101	95	
30	121	120	118	117	113	110	107	104	102	101	98	92	
40	109	109	108	106	104	101	99	96	95	94	92	87	
50	98	98	98	98	96	94	92	90	89	88	86	82	
60	90	90	90	90	90	89	87	85	84	84	82	78	
0	175	169	162	156	145	136	128	120	117	113	107	97	27° < 0 ≤ 45°
10	157	154	150	146	139	133	127	120	117	113	107	97	
15	145	142	139	136	130	125	120	115	113	111	106	97	
20	135	132	130	127	123	118	114	110	108	106	102	95	
25	126	124	122	120	116	113	109	105	103	102	98	92	
30	120	118	116	114	111	108	104	101	100	98	95	89	
40	109	107	106	105	102	99	97	94	93	92	89	84	
50	98	98	98	97	95	93	91	89	87	86	84	80	
60	90	90	90	90	89	87	86	84	83	82	80	77	

**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 UD 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	162	156	150	145	135	126	118	111	108	105	99	90	0 ≤ 7°
10	146	142	139	135	129	123	117	111	108	105	99	90	
15	134	131	128	126	121	116	111	107	104	102	98	90	
20	125	122	120	118	114	110	106	102	100	98	95	88	
25	117	115	113	111	108	104	101	97	96	94	91	85	
30	111	109	107	106	103	100	97	94	92	91	88	83	
40	100	99	98	97	94	92	90	87	86	85	83	78	
50	91	91	91	90	88	86	84	82	81	80	78	74	
60	83	83	83	83	82	81	79	78	77	76	74	71	
0	170	163	157	151	141	132	124	117	113	110	105	95	7° < 0 ≤ 27°
10	150	146	143	140	133	127	122	117	113	110	105	95	
15	137	134	132	129	124	119	115	110	108	106	102	95	
20	127	125	123	121	117	112	109	105	103	101	98	91	
25	119	117	115	114	110	107	103	100	99	97	94	88	
30	112	111	109	108	105	102	99	96	95	93	91	85	
40	101	101	99	98	95	92	90	89	88	87	85	80	
50	91	91	91	91	89	87	85	84	83	82	80	76	
60	83	83	83	83	82	81	80	79	78	77	76	73	
0	162	156	150	145	135	126	118	111	108	105	99	90	27° < 0 ≤ 45°
10	146	142	139	135	129	123	117	111	108	105	99	90	
15	134	131	128	126	121	116	111	107	104	102	98	90	
20	125	122	120	118	114	110	106	102	100	98	95	88	
25	117	115	113	111	108	104	101	97	96	94	91	85	
30	111	109	107	106	103	100	97	94	92	91	88	83	
40	100	99	98	97	94	92	90	87	86	85	83	78	
50	91	91	91	90	88	86	84	82	81	80	78	74	
60	83	83	83	83	82	81	79	78	77	76	74	71	

**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.**