BIPVco Module Characteristics for Installation use only - April 2025 V10 (17.5%)									
ONE CELL WIDTH MODULES ONLY - 358mm +/- 1.5%									
MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm +/- 1.5%	Pmax (W) +/- 5%	Voc (V) +/- 10%	Isc (I) +/- 10%	Vmp (V)	Imp (I)	MAX SYSTEM VOLTAGE (V)	MAX SERIES FUSE RATING (A)
F11F/R-YYYB2 (18)	18	942	45	12.76	4.49	10.49	4.12	1000	10
F11F/R-YYYB2 (20)	20	1030	50	14.18	4.49	11.66	4.12	1000	10
F11F/R-YYYB2 (22)	22	1118	55	15.60	4.49	12.83	4.12	1000	10
F11F/R-YYYB2 (24)	24	1206	60	17.02	4.49	13.99	4.12	1000	10
F11F/R-YYYB2 (26)	26	1293	60	18.31	4.45	14.95	4.06	1000	10
F11F/R-YYYB2 (28)	28	1381	65	19.72	4.45	16.10	4.06	1000	10
F11F/R-YYYB2 (30)	30	1469	70	21.13	4.45	17.25	4.06	1000	10
F12F/R-YYYB2 (32)	32	1557	75	22.54	4.45	18.40	4.06	1000	10
F12F/R-YYYB2 (34)	34	1644	80	24.00	4.47	19.65	4.09	1000	10
F12F/R-YYYB2 (36)	36	1732	85	25.42	4.47	20.81	4.09	1000	10
F12F/R-YYYB2 (38)	38	1820	90	26.83	4.47	21.96	4.09	1000	10
F12F/R-YYYB2 (40)	40	1907	95	28.24	4.47	23.12	4.09	1000	10
F12F/R-YYYB2 (42)	42	1995	100	29.65	4.47	24.28	4.09	1000	10
F12F/R-YYYB2 (44)	44	2083	105	31.20	4.49	25.65	4.12	1000	10
F12F/R-YYYB2 (46)	46	2171	110	32.61	4.49	26.82	4.12	1000	10
F12F/R-YYYB2 (48)	48	2258	115	34.03	4.49	27.98	4.12	1000	10
F12F/R-YYYB2 (50)	50	2346	120	35.45	4.49	29.15	4.12	1000	10
F12F/R-YYYB2 (52)	52	2434	125	36.87	4.49	30.32	4.12	1000	10
F13F/R-YYYB2 (54)	54	2521	130	38.29	4.49	31.48	4.12	1000	10
F13F/R-YYYB2 (56)	56	2609	135	39.70	4.49	32.65	4.12	1000	10
F13F/R-YYYB2 (58)	58	2697	140	41.12	4.49	33.81	4.12	1000	10
F13F/R-YYYB2 (60)	60	2785	145	42.54	4.49	34.98	4.12	1000	10
F13F/R-YYYB2 (62)	62	2872	150	43.96	4.49	36.15	4.12	1000	10
F13F/R-YYYB2 (64)	64	2960	155	45.38	4.49	37.31	4.12	1000	10
F13F/R-YYYB2 (66)	66	3048	160	46.79	4.49	38.48	4.12	1000	10
F13F/R-YYYB2 (68)	68	3135	165	48.21	4.49	39.64	4.12	1000	10
F13F/R-YYYB2 (70)	70	3223	170	49.63	4.49	40.81	4.12	1000	10
F13F/R-YYYB2 (72)	72	3311	175	51.05	4.49	41.98	4.12	1000	10
F13F/R-YYYB2 (74)	74	3399	180	52.47	4.49	43.14	4.12	1000	10
F13F/R-YYYB2 (76)	76	3486	185	53.88	4.49	44.31	4.12	1000	10
F14F/R-YYYB2 (78)	78	3574	185	55.30	4.49	45.47	4.12	1000	10
F14F/R-YYYB2 (80)	80	3662	190	56.72	4.49	46.64	4.12	1000	10
F14F/R-YYYB2 (82)	82	3750	195	58.14	4.49	47.81	4.12	1000	10
F14F/R-YYYB2 (84)	84	3837	200	59.56	4.49	48.97	4.12	1000	10
F14F/R-YYYB2 (86)	86	3925	205	60.97	4.49	50.14	4.12	1000	10
F14F/R-YYYB2 (88)	88	4013	210	62.39	4.49	51.30	4.12	1000	10
F14F/R-YYYB2 (90)	90	4100	215	63.81	4.49	52.47	4.12	1000	10
F14F/R-YYYB2 (92)	92	4188	220	65.23	4.49	53.64	4.12	1000	10
F14F/R-YYYB2 (94)	94	4276	225	66.65	4.49	54.80	4.12	1000	10
F14F/R-YYYB2 (96)	96	4364	230	68.06	4.49	55.97	4.12	1000	10
F14F/R-YYYB2 (98)	98	4451	235	69.48	4.49	57.13	4.12	1000	10
F15F/R-YYYB2 (100)	100	4539	240	70.90	4.49	58.30	4.12	1000	10
F15F/R-YYYB2 (102)	102	4627	245	72.32	4.49	59.47	4.12	1000	10
F15F/R-YYYB2 (104)	104	4717	250	73.74	4.49	60.63	4.12	1000	10
F15F/R-YYYB2 (106)	106	4802	255	75.15	4.49	61.80	4.12	1000	10
F15F/R-YYYB2 (108)	108	4890	260	76.57	4.49	62.96	4.12	1000	10
F15F/R-YYYB2 (110)	110	4978	265	77.99	4.49	64.13	4.12	1000	10
F15F/R-YYYB2 (112)	112	5067	270	79.41	4.49	65.30	4.12	1000	10

TWO CELL WIDTH MODULES ONLY - 674mm +/- 1.5%									
MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm +/- 1.5%	Pmax (W) +/- 5%	Voc (V) +/- 10%	Isc (I) +/- 10%	Vmp (V)	Imp (I)	MAX SYSTEM VOLTAGE (V)	MAX SERIES FUSE RATING (A)
F21F/R-YYYB2 (20)	20	592	50	14.18	4.49	11.66	4.12	1000	10
F21F/R-YYYB2 (24)	24	679	60	17.02	4.49	13.99	4.12	1000	10
F21F/R-YYYB2 (28)	28	767	65	19.72	4.45	16.10	4.06	1000	10
F21F/R-YYYB2 (32)	32	855	75	22.54	4.45	18.40	4.06	1000	10
F21F/R-YYYB2 (36)	36	942	85	25.42	4.47	20.81	4.09	1000	10
F21F/R-YYYB2 (40)	40	1030	95	28.24	4.47	23.12	4.09	1000	10
F21F/R-YYYB2 (44)	44	1118	105	31.20	4.49	25.65	4.12	1000	10
F21F/R-YYYB2 (48)	48	1206	115	34.03	4.49	27.98	4.12	1000	10
F21F/R-YYYB2 (52)	52	1293	125	36.87	4.49	30.32	4.12	1000	10
F21F/R-YYYB2 (56)	56	1381	135	39.70	4.49	32.65	4.12	1000	10
F21F/R-YYYB2 (60)	60	1469	145	42.54	4.49	34.98	4.12	1000	10
F22F/R-YYYB2 (64)	64	1557	155	45.38	4.49	37.31	4.12	1000	10
F22F/R-YYYB2 (68)	68	1644	165	48.21	4.49	39.64	4.12	1000	10
F22F/R-YYYB2 (72)	72	1732	175	51.05	4.49	41.98	4.12	1000	10
F22F/R-YYYB2 (76)	76	1820	185	53.88	4.49	44.31	4.12	1000	10
F22F/R-YYYB2 (80)	80	1907	190	56.72	4.49	46.64	4.12	1000	10
F22F/R-YYYB2 (84)	84	1995	200	59.56	4.49	48.97	4.12	1000	10
F22F/R-YYYB2 (88)	88	2083	210	62.39	4.49	51.30	4.12	1000	10
F22F/R-YYYB2 (92)	92	2171	220	65.23	4.49	53.64	4.12	1000	10
F22F/R-YYYB2 (96)	96	2258	230	68.06	4.49	55.97	4.12	1000	10
F22F/R-YYYB2 (100)	100	2346	240	70.90	4.49	58.30	4.12	1000	10
F22F/R-YYYB2 (104)	104	2434	250	73.74	4.49	60.63	4.12	1000	10
F23F/R-YYYB2 (108)	108	2521	260	76.57	4.49	62.96	4.12	1000	10
F23F/R-YYYB2 (112)	112	2609	270	79.41	4.49	65.30	4.12	1000	10
F23F/R-YYYB2 (116)	116	2697	280	82.24	4.49	67.63	4.12	1000	10
F23F/R-YYYB2 (120)	120	2785	290	85.08	4.49	69.96	4.12	1000	10
F23F/R-YYYB2 (124)	124	2874	300	87.92	4.49	72.29	4.12	1000	10
F23F/R-YYYB2 (128)	128	2960	305	90.75	4.49	74.62	4.12	1000	10
F23F/R-YYYB2 (132)	132	3048	315	93.59	4.49	76.96	4.12	1000	10
F23F/R-YYYB2 (136)	136	3135	325	96.42	4.49	79.29	4.12	1000	10
F23F/R-YYYB2 (140)	140	3223	335	99.26	4.49	81.62	4.12	1000	10
F23F/R-YYYB2 (144)	144	3311	345	102.10	4.49	83.95	4.12	1000	10
F23F/R-YYYB2 (148)	148	3399	355	104.93	4.49	86.28	4.12	1000	10
F23F/R-YYYB2 (152)	152	3486	365	107.77	4.49	88.62	4.12	1000	10
F24F/R-YYYB2 (156)	156	3574	375	110.60	4.49	90.95	4.12	1000	10
F24F/R-YYYB2 (160)	160	3662	380	113.12	4.48	92.75	4.10	1000	10
F24F/R-YYYB2 (164)	164	3750	390	115.95	4.48	95.07	4.10	1000	10
F24F/R-YYYB2 (168)	168	3837	400	118.78	4.48	97.38	4.10	1000	10

THREE CELL WIDTH MODULES ONLY - 990mm									
MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm +/- 1.5%	Pmax (W) +/- 5%	Voc (V) +/- 10%	Isc (I) +/- 10%	Vmp (V)	Imp (I)	MAX SYSTEM VOLTAGE (V)	MAX SERIES FUSE RATING (A)
F31F/R-YYYB2 (18)	18	416	45	12.76	4.49	10.49	4.12	1000	10
F31F/R-YYYB2 (24)	24	504	60	17.02	4.49	13.99	4.12	1000	10
F31F/R-YYYB2 (30)	30	592	70	21.13	4.45	17.25	4.06	1000	10
F31F/R-YYYB2 (36)	36	679	85	25.42	4.47	20.81	4.09	1000	10
F31F/R-YYYB2 (42)	42	767	100	29.65	4.47	24.28	4.09	1000	10
F31F/R-YYYB2 (48)	48	855	115	34.03	4.49	27.98	4.12	1000	10
F31F/R-YYYB2 (54)	54	942	130	38.29	4.49	31.48	4.12	1000	10
F31F/R-YYYB2 (60)	60	1030	145	42.54	4.49	34.98	4.12	1000	10
F31F/R-YYYB2 (66)	66	1118	160	46.79	4.49	38.48	4.12	1000	10
F31F/R-YYYB2 (72)	72	1206	175	51.05	4.49	41.98	4.12	1000	10
F31F/R-YYYB2 (78)	78	1293	185	55.30	4.49	45.47	4.12	1000	10
F31F/R-YYYB2 (84)	84	1381	200	59.56	4.49	48.97	4.12	1000	10
F31F/R-YYYB2 (90)	90	1469	215	63.81	4.49	52.47	4.12	1000	10
F32F/R-YYYB2 (96)	96	1557	230	68.06	4.49	55.97	4.12	1000	10
F32F/R-YYYB2 (102)	102	1644	245	72.32	4.49	59.47	4.12	1000	10
F32F/R-YYYB2 (108)	108	1732	260	76.57	4.49	62.96	4.12	1000	10
F32F/R-YYYB2 (114)	114	1820	275	80.83	4.49	66.46	4.12	1000	10
F32F/R-YYYB2 (120)	120	1907	290	85.08	4.49	69.96	4.12	1000	10
F32F/R-YYYB2 (126)	126	1995	305	89.33	4.49	73.46	4.12	1000	10
F32F/R-YYYB2 (132)	132	2083	315	93.59	4.49	76.96	4.12	1000	10
F32F/R-YYYB2 (138)	138	2171	330	97.84	4.49	80.45	4.12	1000	10
F32F/R-YYYB2 (144)	144	2258	345	102.10	4.49	83.95	4.12	1000	10
F32F/R-YYYB2 (150)	150	2346	360	106.35	4.49	87.45	4.12	1000	10
F32F/R-YYYB2 (156)	156	2434	375	110.60	4.49	90.95	4.12	1000	10
F33F/R-YYYB2 (162)	162	2521	385	114.53	4.48	93.91	4.10	1000	10
F33F/R-YYYB2 (168)	168	2609	400	118.78	4.48	97.38	4.10	1000	10