

**BIPVco Module Characteristics for Installation use only - July 2022 V3**

**ONE CELL WIDTH MODULES ONLY - 358mm**

MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm	Pmax (W)	Voc (V)	Isc (I)	Vmp (V)	Imp (I)	MAX SYSTEM VOLTAGE (V)	MAX SERIES FUSE RATING (A)
F11F/R-YYYB1 (20)	20	1030	40	13.35	4.42	11.00	3.85	1000	10
F11F/R-YYYB1 (22)	22	1118	45	14.69	4.42	12.10	3.85	1000	10
F11F/R-YYYB1 (24)	24	1206	50	16.02	4.42	13.20	3.85	1000	10
F11F/R-YYYB1 (26)	26	1293	55	17.36	4.42	14.30	3.85	1000	10
F11F/R-YYYB1 (28)	28	1381	60	18.69	4.42	15.40	3.85	1000	10
F11F/R-YYYB1 (30)	30	1469	65	20.03	4.42	16.50	3.85	1000	10
F12F/R-YYYB1 (32)	32	1557	70	21.36	4.42	17.60	3.85	1000	10
F12F/R-YYYB1 (34)	34	1644	70	22.70	4.42	18.70	3.85	1000	10
F12F/R-YYYB1 (36)	36	1732	75	24.03	4.42	19.80	3.85	1000	10
F12F/R-YYYB1 (38)	38	1820	80	25.37	4.42	20.90	3.85	1000	10
F12F/R-YYYB1 (40)	40	1907	85	26.70	4.42	22.00	3.85	1000	10
F12F/R-YYYB1 (42)	42	1995	90	28.04	4.42	23.10	3.85	1000	10
F12F/R-YYYB1 (44)	44	2083	95	29.37	4.42	24.20	3.85	1000	10
F12F/R-YYYB1 (46)	46	2171	100	30.71	4.42	25.30	3.85	1000	10
F12F/R-YYYB1 (48)	48	2258	100	32.04	4.42	26.40	3.85	1000	10
F12F/R-YYYB1 (50)	50	2346	105	33.38	4.42	27.50	3.85	1000	10
F12F/R-YYYB1 (52)	52	2434	110	34.71	4.42	28.60	3.85	1000	10
F13F/R-YYYB1 (54)	54	2521	115	36.05	4.42	29.70	3.85	1000	10
F13F/R-YYYB1 (56)	56	2609	120	37.38	4.42	30.80	3.85	1000	10
F13F/R-YYYB1 (58)	58	2697	125	38.72	4.42	31.90	3.85	1000	10
F13F/R-YYYB1 (60)	60	2785	125	40.05	4.42	33.00	3.85	1000	10
F13F/R-YYYB1 (62)	62	2872	130	41.39	4.42	34.10	3.85	1000	10
F13F/R-YYYB1 (64)	64	2960	135	42.72	4.42	35.20	3.85	1000	10
F13F/R-YYYB1 (66)	66	3048	140	44.06	4.42	36.30	3.85	1000	10
F13F/R-YYYB1 (68)	68	3135	145	45.40	4.42	37.40	3.85	1000	10
F13F/R-YYYB1 (70)	70	3223	150	46.73	4.42	38.50	3.85	1000	10
F13F/R-YYYB1 (72)	72	3311	155	48.07	4.42	39.60	3.85	1000	10
F13F/R-YYYB1 (74)	74	3399	155	49.40	4.42	40.70	3.85	1000	10
F13F/R-YYYB1 (76)	76	3486	160	50.74	4.42	41.80	3.85	1000	10
F14F/R-YYYB1 (78)	78	3574	165	52.07	4.42	42.90	3.85	1000	10
F14F/R-YYYB1 (80)	80	3662	170	53.41	4.42	44.00	3.85	1000	10
F14F/R-YYYB1 (82)	82	3750	175	54.74	4.42	45.10	3.85	1000	10
F14F/R-YYYB1 (84)	84	3837	180	56.08	4.42	46.20	3.85	1000	10
F14F/R-YYYB1 (86)	86	3925	180	57.41	4.42	47.30	3.85	1000	10
F14F/R-YYYB1 (88)	88	4013	185	58.75	4.42	48.40	3.85	1000	10
F14F/R-YYYB1 (90)	90	4100	190	60.08	4.42	49.50	3.85	1000	10
F14F/R-YYYB1 (92)	92	4188	195	61.42	4.42	50.60	3.85	1000	10
F14F/R-YYYB1 (94)	94	4276	200	62.75	4.42	51.70	3.85	1000	10
F14F/R-YYYB1 (96)	96	4364	205	64.09	4.42	52.80	3.85	1000	10
F14F/R-YYYB1 (98)	98	4451	210	65.42	4.42	53.90	3.85	1000	10
F15F/R-YYYB1 (100)	100	4539	210	66.76	4.42	55.00	3.85	1000	10
F15F/R-YYYB1 (102)	102	4627	215	68.09	4.42	56.10	3.85	1000	10
F15F/R-YYYB1 (104)	104	4714	220	69.43	4.42	57.20	3.85	1000	10
F15F/R-YYYB1 (106)	106	4802	225	70.76	4.42	58.30	3.85	1000	10
F15F/R-YYYB1 (108)	108	4890	230	72.10	4.42	59.40	3.85	1000	10
F15F/R-YYYB1 (110)	110	4978	235	73.43	4.42	60.50	3.85	1000	10
F15F/R-YYYB1 (112)	112	5067	240	74.77	4.42	61.60	3.85	1000	10

**TWO CELL WIDTH MODULES ONLY - 674mm**

MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm	Pmax	Voc	Isc	Vmp	Imp	MAX SYSTEM VOLTAGE	MAX SERIES FUSE RATING
F21F/R-YYYB1 (20)	20	592	40	13.35	4.42	11.00	3.85	1000	10
F21F/R-YYYB1 (24)	24	679	50	16.02	4.42	13.20	3.85	1000	10
F21F/R-YYYB1 (28)	28	767	60	18.69	4.42	15.40	3.85	1000	10
F21F/R-YYYB1 (32)	32	855	70	21.36	4.42	17.60	3.85	1000	10
F21F/R-YYYB1 (36)	36	942	75	24.03	4.42	19.80	3.85	1000	10
F21F/R-YYYB1 (40)	40	1030	85	26.70	4.42	22.00	3.85	1000	10
F21F/R-YYYB1 (44)	44	1118	95	29.37	4.42	24.20	3.85	1000	10
F21F/R-YYYB1 (48)	48	1206	100	32.04	4.42	26.40	3.85	1000	10
F21F/R-YYYB1 (52)	52	1293	110	34.71	4.42	28.60	3.85	1000	10
F21F/R-YYYB1 (56)	56	1381	120	37.38	4.42	30.80	3.85	1000	10
F21F/R-YYYB1 (60)	60	1469	125	40.05	4.42	33.00	3.85	1000	10
F22F/R-YYYB1 (64)	64	1557	135	42.72	4.42	35.20	3.85	1000	10
F22F/R-YYYB1 (68)	68	1644	145	45.40	4.42	37.40	3.85	1000	10
F22F/R-YYYB1 (72)	72	1732	155	48.07	4.42	39.60	3.85	1000	10
F22F/R-YYYB1 (76)	76	1820	160	50.74	4.42	41.80	3.85	1000	10
F22F/R-YYYB1 (80)	80	1907	170	53.41	4.42	44.00	3.85	1000	10

F22F/R-YYYB1 (84)	84	1995	180	56.08	4.42	46.20	3.85	1000	10
F22F/R-YYYB1 (88)	88	2083	185	58.75	4.42	48.40	3.85	1000	10
F22F/R-YYYB1 (92)	92	2171	195	61.42	4.42	50.60	3.85	1000	10
F22F/R-YYYB1 (96)	96	2258	205	64.09	4.42	52.80	3.85	1000	10
F22F/R-YYYB1 (100)	100	2346	210	66.76	4.42	55.00	3.85	1000	10
F22F/R-YYYB1 (104)	104	2434	220	69.43	4.42	57.20	3.85	1000	10
F23F/R-YYYB1 (108)	108	2521	230	72.10	4.42	59.40	3.85	1000	10
F23F/R-YYYB1 (112)	112	2609	240	74.77	4.42	61.60	3.85	1000	10
F23F/R-YYYB1 (116)	116	2697	245	77.44	4.42	63.80	3.85	1000	10
F23F/R-YYYB1 (120)	120	2785	255	80.11	4.42	66.00	3.85	1000	10
F23F/R-YYYB1 (124)	124	2872	265	82.78	4.42	68.20	3.85	1000	10
F23F/R-YYYB1 (128)	128	2960	270	85.45	4.42	70.40	3.85	1000	10
F23F/R-YYYB1 (132)	132	3048	280	88.12	4.42	72.60	3.85	1000	10
F23F/R-YYYB1 (136)	136	3135	290	90.79	4.42	74.80	3.85	1000	10
F23F/R-YYYB1 (140)	140	3223	295	93.46	4.42	77.00	3.85	1000	10
F23F/R-YYYB1 (144)	144	3311	305	96.13	4.42	79.20	3.85	1000	10
F23F/R-YYYB1 (148)	148	3399	315	98.80	4.42	81.40	3.85	1000	10
F23F/R-YYYB1 (152)	152	3486	320	101.47	4.42	83.60	3.85	1000	10
F24F/R-YYYB1 (156)	156	3574	330	104.14	4.42	85.80	3.85	1000	10
F24F/R-YYYB1 (160)	160	3662	340	106.81	4.42	88.00	3.85	1000	10
F24F/R-YYYB1 (164)	164	3750	350	109.48	4.42	90.20	3.85	1000	10
F24F/R-YYYB1 (168)	168	3837	355	112.15	4.42	92.40	3.85	1000	10

**THREE CELL WIDTH MODULES ONLY - 990mm**

MODULE NAME	NUMBER OF CELLS	MODULE LENGTH mm	Pmax	Voc		Vmp	Imp	MAX SYSTEM VOLTAGE	MAX SERIES FUSE RATING
F31F/R-YYYB1 (24)	24	504	50	16.02	4.42	13.20	3.85	1000	10
F31F/R-YYYB1 (30)	30	592	65	20.03	4.42	16.50	3.85	1000	10
F31F/R-YYYB1 (36)	36	679	75	24.03	4.42	19.80	3.85	1000	10
F31F/R-YYYB1 (42)	42	767	90	28.04	4.42	23.10	3.85	1000	10
F31F/R-YYYB1 (48)	48	855	100	32.04	4.42	26.40	3.85	1000	10
F31F/R-YYYB1 (54)	54	942	115	36.05	4.42	29.70	3.85	1000	10
F31F/R-YYYB1 (60)	60	1030	125	40.05	4.42	33.00	3.85	1000	10
F31F/R-YYYB1 (66)	66	1118	140	44.06	4.42	36.30	3.85	1000	10
F31F/R-YYYB1 (72)	72	1206	155	48.07	4.42	39.60	3.85	1000	10
F31F/R-YYYB1 (78)	78	1293	165	52.07	4.42	42.90	3.85	1000	10
F31F/R-YYYB1 (84)	84	1381	180	56.08	4.42	46.20	3.85	1000	10
F31F/R-YYYB1 (90)	90	1469	190	60.08	4.42	49.50	3.85	1000	10
F32F/R-YYYB1 (96)	96	1557	205	64.09	4.42	52.80	3.85	1000	10
F32F/R-YYYB1 (102)	102	1644	215	68.09	4.42	56.10	3.85	1000	10
F32F/R-YYYB1 (108)	108	1732	230	72.10	4.42	59.40	3.85	1000	10
F32F/R-YYYB1 (114)	114	1820	240	76.10	4.42	62.70	3.85	1000	10
F32F/R-YYYB1 (120)	120	1907	255	80.11	4.42	66.00	3.85	1000	10
F32F/R-YYYB1 (126)	126	1995	265	84.11	4.42	69.30	3.85	1000	10
F32F/R-YYYB1 (132)	132	2083	280	88.12	4.42	72.60	3.85	1000	10
F32F/R-YYYB1 (138)	138	2171	295	92.13	4.42	75.90	3.85	1000	10
F32F/R-YYYB1 (144)	144	2258	305	96.13	4.42	79.20	3.85	1000	10
F32F/R-YYYB1 (150)	150	2346	320	100.14	4.42	82.50	3.85	1000	10
F32F/R-YYYB1 (156)	156	2434	330	104.14	4.42	85.80	3.85	1000	10
F33F/R-YYYB1 (162)	162	2521	345	108.15	4.42	89.10	3.85	1000	10
F33F/R-YYYB1 (168)	168	2609	355	112.15	4.42	92.40	3.85	1000	10