

2018 Single-Phase String Inverter Specifications

Manufacturer	Model	Input Data (dc)								
		Maximum recommended PV power at STC (W)	Maximum open-circuit voltage	PV start voltage	Operating voltage range	Number of MPP trackers	MPPT voltage range	Number of dc source circuits	Maximum usable input current ¹	Maximum short-circuit current
ABB	UNO-DM-3.3-TL-PLUS-US	4,000	600	200 ²	140–580	2	160–530/170–530	2	10	2 x 12.5
ABB	UNO-DM-3.8-TL-PLUS-US	6,000	600	200 ²	140–580	2	120–530/140–530	2	16	2 x 25
ABB	UNO-DM-4.6-TL-PLUS-US	6,000	600	200 ²	140–580	2	140–530/150–530	2	16	2 x 25
ABB	UNO-DM-5-TL-PLUS-US	7,000	600	200 ²	140–580	2	130–530/145–530	2	19	2 x 25
ABB	UNO-DM-6-TL-PLUS-US	8,000	600	200 ²	140–580	2	160–480	2	20	2 x 24
Delta	M4-TL-US	6,000	600	DNR	50–480	2	DNR	2	12	2 x 15
Delta	M5-TL-US	7,500	600	DNR	50–480	2	DNR	2	12	2 x 15
Delta	M6-TL-US	9,000	600	DNR	50–480	3	DNR	3	12	3 x 15
Delta	M8-TL-US	12,000	600	DNR	50–480	3	DNR	3	12	3 x 15
Delta	M10-TL-US	15,000	600	DNR	50–480	2	DNR	2	20	2 x 25
Fronius USA	Galvo 1.5-1 ³	2,400	420	140	120–420	1	120–335	3	13.4	20.1
Fronius USA	Galvo 2.0-1 ³	3,200	420	140	120–420	1	120–335	3	17/17.9	26.8
Fronius USA	Galvo 2.5-1 ³	3,800	550	185	165–550	1	165–440	3	16.1	24.1
Fronius USA	Galvo 3.1-1 ³	4,500	550	185	165–550	1	165–440	3	18.7/20	30.1
Fronius USA	Primo 3.8-1	6,000	600	80	80–600	2	200–480	4	2 x 18	2 x 22.5
Fronius USA	Primo 5.0-1	7,800	600	80	80–600	2	200–400	4	2 x 18	2 x 22.5
Fronius USA	Primo 6.0-1	9,300	600	80	80–600	2	240–480	4	2 x 18	2 x 22.5
Fronius USA	Primo 7.6-1	11,700	600	80	80–600	2	250–480	4	2 x 18	2 x 22.5
Fronius USA	Primo 8.2-1	12,700	600	80	80–600	2	270–480	4	2 x 18	2 x 22.5
Fronius USA	Primo 10.0-1	12,000	1,000	80	80–1,000	2	220–800	6	33/18 ⁴	49.5/27 ⁴
Fronius USA	Primo 11.4-1	13,700	1,000	80	80–1,000	2	240–800	6	33/18 ⁴	49.5/27 ⁴
Fronius USA	Primo 12.5-1	15,000	1,000	80	80–1,000	2	260–800	6	33/18 ⁴	49.5/27 ⁴
Fronius USA	Primo 15.0-1	18,000	1,000	80	80–1,000	2	320–800	6	33/18	49.5/27 ⁴
Ginlong Solis	Solis-1P2.5K-4G-US	DNR	600	60	50–450	2	DNR	4	2 x 11	DNR
Ginlong Solis	Solis-1P3K-4G-US	DNR	600	120	90–520	2	DNR	4	2 x 11	DNR
Ginlong Solis	Solis-1P3.6K-4G-US	DNR	600	120	90–520	2	DNR	4	2 x 11	DNR
Ginlong Solis	Solis-1P4K-4G-US	DNR	600	120	90–520	2	DNR	4	2 x 11	DNR
Ginlong Solis	Solis-1P4.6K-4G-US	DNR	600	120	90–520	2	DNR	4	2 x 11	DNR
Ginlong Solis	Solis-1P5K-4G-US	DNR	600	120	90–520	2	DNR	6	2 x 11	DNR
Ginlong Solis	Solis-1P6K-4G-US	DNR	600	120	100–500	3	DNR	6	3 x 10	DNR
Ginlong Solis	Solis-1P7K-4G-US	DNR	600	120	100–500	3	DNR	6	3 x 10	DNR
Ginlong Solis	Solis-1P7.6K-4G-US	DNR	600	120	100–500	3	DNR	8	3 x 10	DNR
Ginlong Solis	Solis-1P8K-4G-US	DNR	600	120	100–500	4	DNR	8	4 x 10	DNR
Ginlong Solis	Solis-1P9K-4G-US	DNR	600	120	100–500	4	DNR	8	4 x 10	DNR
Ginlong Solis	Solis-1P10K-4G-US	DNR	600	120	100–500	4	DNR	8	4 x 10	DNR

Footnote Key

¹ Per MPP tracker

² Adjustable 120–350 Vdc

³ High-frequency transformer topology

⁴ MPPT 1/MPPT 2

⁵ Module-level MPP tracking

⁶ Rated dc input voltage

⁷ Supplies PV power at < 550 Vdc

⁸ With optional PSD disconnect

⁹ PV Link S2501 subarray optimizer specification

¹⁰ String-level MPP tracking

¹¹ -40–104°F version available

¹² -40–140°F version available

DNR = Does not report

Output Data (ac)			Operation		Integrated Disconnects and Combiners			Mechanical			Contact
Rated power (W)	Nominal output voltage	Rated output current	CEC-weighted efficiency (%)	Ambient temperature range (°F)	DC disconnect standard	AC disconnect standard	Fused combiner standard	Cooling method	Dimensions H x W x D (in.)	Weight (lbs.)	Website
3,300	208/240	14.5	96.5	-13–140	option	no	no	passive	34 x 16.4 x 6.9	33	abb.com/solarinverters
4,200	208/240	16	96/96.5	-13–140	option	no	no	passive	34 x 16.4 x 6.9	33	
4,600	208/240	20	96/96.5	-13–140	option	no	no	passive	34 x 16.4 x 6.9	33	
5,000	208/240	22	96.5/97	-13–140	option	no	no	passive	34 x 16.4 x 6.9	33	
6,000	208/240	30	96.5/97	-13–140	option	no	no	passive	28.6 x 21.7 x 7	47	
4,000	208/240	16	97.5	-22–149	yes	no	no	passive	23.2 x 16.7 x 5.7	42	delta-americas.com
5,000	208/240	20	97.5	-22–149	yes	no	no	passive	23.2 x 16.7 x 5.7	42	
6,000	208/240	24	97.5	-22–149	yes	no	no	passive	23.2 x 16.7 x 5.7	43	
8,000	208/240	32	97.5	-22–149	yes	no	no	active	23.2 x 16.7 x 5.7	44	
10,000	208/240	40	97.5	-22–149	yes	no	no	active	23.2 x 16.7 x 5.7	44	
1,500	208/240	7.2/6.3	94/94.5	-40–122	yes	no	no	active	24.7 x 16.9 x 8.1	36	fronius-usa.com
2,000	208/240	9.1/8.3	94.5	-40–122	yes	no	no	active	24.7 x 16.9 x 8.1	36	
2,500	208/240	12/10.4	95	-40–122	yes	no	no	active	24.7 x 16.9 x 8.1	37	
3,100	208/240	14.1/12.9	95/95.5	-40–122	yes	no	no	active	24.7 x 16.9 x 8.1	37	
3,800	208/240	18.3/15.8	95	-40–131	yes	no	no	active	24.7 x 16.9 x 8.1	47	
5,000	208/240	24/20.8	95.5	-40–131	yes	no	no	active	24.7 x 16.9 x 8.1	47	
6,000	208/240	28.8/25	96	-40–131	yes	no	no	active	24.7 x 16.9 x 8.1	47	
7,600	208/240	36.5/31.7	96	-40–131	yes	no	no	active	24.7 x 16.9 x 8.1	47	
7,900/8,200	208/240	38/34.2	96.5	-40–131	yes	no	no	active	24.7 x 16.9 x 8.1	47	
9,995	208/240	48.1/41.6	96/96.5	-40–140	yes	no	yes	active	28.5 x 20.1 x 8.9	83	
11,400	208/240	54.8/47.5	96/96.5	-40–140	yes	no	yes	active	28.5 x 20.1 x 8.9	83	
12,500	208/240	60.1/52.1	96/96.5	-40–140	yes	no	yes	active	28.5 x 20.1 x 8.9	83	
13,750/15,000	208/240	66.1/62.5	96.5/97	-40–140	yes	no	yes	active	28.5 x 20.1 x 8.9	83	
2,500	208/240	12/10.4	97.1	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	ginlong.com
3,000	208/240	14.4/12.5	97.1	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	
3,600	208/240	17.3/15	97.1	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	
4,000	208/240	19.2/16.7	97.3	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	
4,600	208/240	22.1/19.2	97.3	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	
5,000	208/240	24/20.8	97.3	-13–140	yes	no	no	passive	28.5 x 12.2 x 6.3	31	
6,000	208/240	28.8/25	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	43	
7,000	208/240	33.7/29.2	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	43	
7,600	208/240	36.5/31.7	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	43	
8,000	208/240	38.5/33.3	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	44	
9,000	208/240	43.3/37.5	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	44	
10,000	208/240	43.3/41.7	97.5	-13–140	yes	no	no	passive	25.8 x 13.1 x 9.8	44	

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Growatt	4000 MTLP-US	8,000	600	150	100–600	2	120–500	4	2 x 18	42
Growatt	5000 MTLP-US	10,000	600	150	100–600	2	120–500	4	2 x 18	47
Growatt	6000 MTLP-US	12,000	600	150	100–600	2	120–500	4	2 x 18	56
Growatt	7000 MTLP-US	11,800	600	150	100–600	2	120–500	4	20/10	47
Growatt	7600 MTLP-US	12,400	600	150	100–600	2	120–500	4	20/10	47
Growatt	8000 MTLP-US	13,000	600	150	100–600	3	120–500	1/1/2	9.5/9.5/19	DNR
Growatt	9000 MTLP-US	13,000	600	150	100–600	3	120–500	1/1/2	9.5/9.5/19	DNR
Growatt	10000 MTLP-US	13,000	600	150	100–600	3	120–500	1/1/2	9.5/9.5/19	DNR
Huawei	SUN2000-3.8KTL-USLO	5,130	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	30
Huawei	SUN2000-5KTL-USLO	6,750	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	30
Huawei	SUN2000-7.6KTL-USLO	10,260	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	30
Huawei	SUN2000-9KTL-USLO	12,150	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	35
Huawei	SUN2000-10KTL-USLO	13,500	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	35
Huawei	SUN2000-11.4KTL-USLO	15,400	500	varies ⁵	325/370 ⁶	varies ⁵	varies ⁵	DNR	DNR	35
KACO new energy	2.0 TL1	DNR	600 ⁷	150	125–550	1	190–510	1	11	13
KACO new energy	3.0 TL1	DNR	600 ⁷	150	125–550	2	140–510	2	2 x 11	2 x 13.2
KACO new energy	4.0 TL1	DNR	600 ⁷	150	125–550	2	185–510	2	2 x 11	2 x 13.2
KACO new energy	5.0 TL1	DNR	600 ⁷	150	125–550	2	215–510	2	2 x 11	2 x 13.2
Pika Energy	X7600	10,000	420	60	380 ⁶	varies ¹⁰	60–360 ⁹	varies ¹⁰	20	DNR
SMA America	SB 3.0-US	4,800	600	125	100–550	2	155–480	2	2 x 10	2 x 18
SMA America	SB 3.8-US	6,080	600	125	100–550	2	195–480	2	2 x 10	2 x 18
SMA America	SB 5.0-US	8,000	600	125	100–550	3	220–480	3	2 x 10	3 x 18
SMA America	SB 6.0-US	9,600	600	125	100–550	3	220–480	3	2 x 10	3 x 18
SMA America	SB 7.0-US	11,200	600	125	100–550	3	245–480	3	2 x 10	3 x 18
SMA America	SB 7.7-US	12,320	600	125	100–550	3	270–480	3	2 x 10	3 x 18
SolarEdge	SE3000H-US	4,650	480	varies ⁵	380 ⁶	varies ⁵	varies ⁵	2	8.5	45
SolarEdge	SE3800H-US	5,900	480	varies ⁵	380 ⁶	varies ⁵	varies ⁵	2	9/10.5	45
SolarEdge	SE5000H-US	7,750	480	varies ⁵	380 ⁶	varies ⁵	varies ⁵	2	13.5	45
SolarEdge	SE6000H-US	9,300	480	varies ⁵	380 ⁶	varies ⁵	varies ⁵	2	13.5/16.5	45
SolarEdge	SE7600H-US	11,800	480	varies ⁵	400 ⁶	varies ⁵	varies ⁵	2	20	45
SolarEdge	SE10000H-US	15,500	480	varies ⁵	400 ⁶	varies ⁵	varies ⁵	3	27	45
SolarEdge	SE3000A-US	4,050	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	2	9.5	45
SolarEdge	SE3800A-US	5,100	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	2	13	45
SolarEdge	SE5000A-US	6,750	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	2	16.5/15.5	45
SolarEdge	SE6000A-US	8,100	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	2	18	45
SolarEdge	SE7600A-US	10,250	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	2	23	45
SolarEdge	SE10000A-US	13,500	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	3	33/30.5	45
SolarEdge	SE11400A-US	15,350	500	varies ⁵	325/350 ⁶	varies ⁵	varies ⁵	3	34.5	45
Yaskawa–Solectria Solar	PVI 3800TL	5,320	600	150	120–550	1	200–500	2	20	24
Yaskawa–Solectria Solar	PVI 5200TL	7,280	600	150	120–550	2	200–500	4	2 x 15	2 x 24
Yaskawa–Solectria Solar	PVI 6600TL	9,240	600	150	120–550	2	200–500	4	2 x 18	2 x 24
Yaskawa–Solectria Solar	PVI 7600TL	10,640	600	150	120–550	2	200–500	4	2 x 20	2 x 24

Footnote Key

¹ Per MPP tracker

² Adjustable 120–350 Vdc

³ High-frequency transformer topology

⁴ MPPT 1/MPPT 2

⁵ Module-level MPP tracking

⁶ Rated dc input voltage

⁷ Supplies PV power at < 550 Vdc

⁸ With optional PSD disconnect

⁹ PV Link S2501 subarray optimizer specification

¹⁰ String-level MPP tracking

¹¹ -40–104°F version available

¹² -40–140°F version available

DNR = Does not report

Output Data (ac)			Operation		Integrated Disconnects and Combiners			Mechanical			Contact
Rated power (W)	Nominal output voltage	Rated output current	CEC-weighted efficiency (%)	Ambient temperature range (°F)	DC disconnect standard	AC disconnect standard	Fused combiner standard	Cooling method	Dimensions H x W x D (in.)	Weight (lbs.)	Website
4,000	208/240/277	16.7	96	-31–140	yes	no	no	passive	28.7 x 15.8 x 8.5	69	growatt-america.com
5,000	208/240/277	21	96.5	-31–140	yes	no	no	passive	28.7 x 15.8 x 8.5	69	
6,000	208/240/277	25	96.5	-31–140	yes	no	no	passive	28.7 x 15.8 x 8.5	71	
7,000	208/240/277	29	97	-31–140	yes	no	no	passive	28.7 x 15.8 x 8.5	71	
7,600	208/240/277	31.7	97	-31–140	yes	no	no	passive	28.7 x 15.8 x 8.5	71	
8,000	208/240	33.5	97.5	-31–140	yes	no	no	passive	27.3 x 14 x 8.3	66	
9,000	208/240	37.5	97.5	-31–140	yes	no	no	passive	27.3 x 14 x 8.3	66	
10,000	208/240	42	97.5	-31–140	yes	no	no	passive	27.3 x 14 x 8.3	66	
3,300/3,800	208/240	15.9	99	-22–140	option	no	no	passive	22.4 x 15.8 x 6.3	40	solar.huawei.com
4,300/5,000	208/240	20.9	99	-22–140	option	no	no	passive	22.4 x 15.8 x 6.3	40	
6,600/7,600	208/240	31.7	99	-22–140	option	no	no	passive	22.4 x 15.8 x 6.3	40	
7,800/9,000	208/240	37.5	99	-22–140	option	no	no	passive	25.6 x 17.5 x 6.3	51	
8,700/10,000	208/240	41.7	99	-22–140	option	no	no	passive	25.6 x 17.5 x 6.3	51	
9,900/11,400	208/240	47.5	99	-22–140	option	no	no	passive	25.6 x 17.5 x 6.3	51	
2,000	208/240	9.7/8.3	96.5	-13–140	option	no	option	passive	31.9 x 14.5 x 8.6 ⁸	45 ⁸	kaco-newenergy.com
3,000	208/240	14.5/12.5	96.5	-13–140	option	no	option	passive	31.9 x 14.5 x 8.6 ⁸	48 ⁸	
4,000	208/240	19.2/16.7	96.5	-13–140	option	no	option	passive	31.9 x 14.5 x 8.6 ⁸	48 ⁸	
4,600/5,000	208/240	22/20	96.5	-13–140	option	no	option	passive	31.9 x 14.5 x 8.6 ⁸	48 ⁸	
7,600	240	32	96.5	-4–122	yes	no	yes	active	24.5 x 19.3 x 8	63	pikaenergy.com
3,000	208/240	14.5/12.5	96/96.5	-13–140	yes	no	no	passive	28.5 x 21.1 x 7.8	57	sma-america.com
3,330/3,800	208/240	16	96.5	-13–140	yes	no	no	passive	28.5 x 21.1 x 7.8	57	
5,000	208/240	24	96.5/97	-13–140	yes	no	no	passive	28.5 x 21.1 x 7.8	57	
5,200/6,000	208/240	25	96.5/97	-13–140	yes	no	no	passive	28.5 x 21.1 x 7.8	57	
6,660/7,000	208/240	32/29.2	96.5/97	-13–140	yes	no	no	active	28.5 x 21.1 x 7.8	57	
6,660/7,680	208/240	32	96.5/97	-13–140	yes	no	no	active	28.5 x 21.1 x 7.8	57	
3,000	240	12.5	99	-13–140 ¹¹	yes	yes	no	passive	17.7 x 14.6 x 6.8	22	
3,300/3,800	208/240	16	99	-13–140 ¹¹	yes	yes	no	passive	17.7 x 14.6 x 6.8	22	
5,000	240	21	99	-13–140 ¹¹	yes	yes	no	passive	17.7 x 14.6 x 6.8	25	
5,000/6,000	208/240	24/25	99	-13–140 ¹¹	yes	yes	no	passive	17.7 x 14.6 x 6.8	26	
7,600	240	32	99	-13–140 ¹¹	yes	yes	no	passive	17.7 x 14.6 x 6.8	26	
10,000	240	42	99	-13–140 ¹¹	yes	yes	no	passive	21.3 x 14.6 x 7.3	39	
3,000	240	12.5	97.5	-13–140 ¹²	yes	yes	no	passive	30.5 x 12.5 x 7.2	51	
3,800	240	16	98	-13–140 ¹²	yes	yes	no	passive	30.5 x 12.5 x 7.2	51	
5,400/5,450	208/240	24/21	97/98	-13–140 ¹²	yes	yes	no	passive	30.5 x 12.5 x 7.2	55	
6,000	240	25	97.5	-13–140 ²	yes	yes	no	passive	30.5 x 12.5 x 7.2	55	
7,600	240	32	97.5	-13–140 ¹²	yes	yes	no	active	30.5 x 12.5 x 10.5	55	
9,980/10,000	208/240	48/42	97/97.5	-13–140 ¹²	yes	yes	no	active	30.5 x 12.5 x 10.5	88	
11,400	240	47.5	97.5	-13–140 ¹²	yes	yes	no	active	30.5 x 12.5 x 10.5	88	
3,328/3,800	208/240	16	97.5	-13–122	yes	no	yes	passive	17.5 x 15.8 x 8.5	43	solectria.com
5,000/5,200	208/240	24	97.5	-13–122	yes	no	yes	passive	26.8 x 15.8 x 8.5	65	
6,600	208/240	32	97.5	-13–122	yes	no	yes	passive	26.8 x 15.8 x 8.5	65	
6,656/7,600	208/240	32	97.5	-13–122	yes	no	yes	passive	26.8 x 15.8 x 8.5	65	