

## 2017 3-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 for rated power	Number of dc source circuits
ABB	TRIO-20.0-TL-OUTD-S1-US-480-A	24,000	1,000	360 <sup>2</sup>	200–950	2	450–800	2 x 4
ABB	TRIO-27.6-TL-OUTD-S1-US-480-A	32,000	1,000	360 <sup>2</sup>	200–950	2	520–800	2 x 4
ABB	TRIO-50.0-TL-OUTD-US	DNR	1,000	360 <sup>2</sup>	250–950	1	520–800	1, 12, 16
ABB	TRIO-60.0-TL-OUTD-US	DNR	1,000	500 <sup>2</sup>	360–950	1	570–800	1, 12, 16
Chint Power Systems	CPS SC14KTL-DO/US-208	19,000	600	300	180–580	2	300–540	2 x 4
Chint Power Systems	CPS SC20KTL-DO/US-480	27,000	600	300	260–580	2	300–550	2 x 4
Chint Power Systems	CPS SCA23KTL-DO/US-480	31,000	1,000	330	240–950	2	480–800	2 x 4
Chint Power Systems	CPS SCA28KTL-DO/US-480	38,000	1,000	330	240–950	2	500–800	2 x 4
Chint Power Systems	CPS SCA36KTL-DO/US-480	54,000	1,000	320	240–950	2	540–800	2 x 5
Chint Power Systems	CPS SCA50KTL-DO/US-480	75,000	1,000	330	200–950	3	480–850	3 x 5
Chint Power Systems	CPS SCA60KTL-DO/US-480	90,000	1,000	330	200–950	3	540–850	3 x 5
Delta	15kW TL	18,000	1,000	DNR	130–1,000	2	450–900	2 x 3
Delta	20kW TL	24,000	1,000	DNR	130–1,000	2	500–900	2 x 3
Delta	24kW TL	28,800	1,000	DNR	130–1,000	2	550–900	2 x 3
Delta	28kW TL	33,600	1,000	DNR	130–1,000	2	550–900	2 x 3
Delta	M24U	34,000	1,100	250	200–1,000	2	415–830	2 x 3
Delta	M28U	39,000	1,100	250	200–1,000	2	485–830	2 x 3
Delta	M36U	50,000	1,100	250	200–1,000	2	520–830	2 x 4
Delta	M42U	60,000	1,100	250	200–1,000	2	545–830	2 x 5
Delta	M60U	89,000	1,100	250	200–1,000	2	520–800	1, 16, 18 <sup>4</sup>
Delta	M80U	112,000	1,100	250	200–1,000	2	600–800	1, 16, 18 <sup>4</sup>
Fronius USA	Symo 10.0-3 208/240	13,000	600	200	200–600	2	300–500	6
Fronius USA	Symo 12.0-3 208/240	15,500	600	200	200–600	2	300–500	6
Fronius USA	Symo 10.0-3 480	13,000	1,000	200	200–1,000	2	300–800	6
Fronius USA	Symo 12.5-3 480	16,000	1,000	200	200–1,000	2	350–800	6
Fronius USA	Symo 15.0-3 280	19,500	1,000	325	325–1,000	1	325–850	6
Fronius USA	Symo 15.0-3 480	19,500	1,000	200	200–1,000	2	350–800	6
Fronius USA	Symo 17.5-3 480	23,000	1,000	200	200–1,000	2	400–800	6
Fronius USA	Symo 20.0-3 480	26,000	1,000	200	200–1,000	2	450–800	6
Fronius USA	Symo 22.7-3 480	29,500	1,000	200	200–1,000	2	500–800	6
Fronius USA	Symo 24.0-3 480	31,000	1,000	200	200–1,000	2	500–800	6
Ginlong Technologies	Solis-6K-US	DNR	1,000	330	DNR	2	200–800	2 x 1
Ginlong Technologies	Solis-10K-US	DNR	1,000	330	DNR	2	200–800	2 x 2
Ginlong Technologies	Solis-15K-US	DNR	1,000	330	DNR	2	200–800	2 x 2
Ginlong Technologies	Solis-20K-US	DNR	1,000	330	DNR	2	200–800	2 x 2
Ginlong Technologies	Solis-25K-US	DNR	1,000	350	DNR	4	200–800	4 x 2
Ginlong Technologies	Solis-30K-US	DNR	1,000	350	DNR	4	200–800	4 x 2
Ginlong Technologies	Solis-36K-US	DNR	1,000	350	DNR	4	200–800	4 x 2
Ginlong Technologies	Solis-40K-US	DNR	1,000	350	DNR	4	200–800	4 x 2

**Footnote Key**

<sup>1</sup> Per MPP tracker

<sup>2</sup> Default, adjustable

<sup>3</sup> Wiring boxes available in multiple product variants

<sup>4</sup> Fused string input, terminal block and MC4 connector wiring box options

<sup>5</sup> MPPT 1/MPPT 2

<sup>6</sup> Active fan-cooled option available

<sup>7</sup> Connector approved as load-break disconnect

<sup>8</sup> PV Link S2501 subarray optimizer specification

<sup>9</sup> Nominal dc input voltage

<sup>10</sup> String-level MPP tracking

<sup>11</sup> With SMA Connection Unit 1000-US

<sup>12</sup> Module-level MPP tracking

DNR = Does not report

		Output Data (ac)			Operation		Integrated Disconnects and Combiners			
Maximum usable input current <sup>1</sup>	Maximum short-circuit current	Rated power (W)	Nominal output voltage	Maximum output current	CEC-weighted efficiency (%)	Ambient temperature range (°F)	DC disconnect standard	AC disconnect standard	Fused combiner standard	Arc-fault protection
2 x 25	2 x 30	20,000	480	27	97.5	-22-140	yes <sup>3</sup>	no	yes <sup>3</sup>	yes <sup>3</sup>
2 x 30.9	2 x 36	27,600	480	36	97.5	-22-140	yes <sup>3</sup>	no	yes <sup>3</sup>	yes <sup>3</sup>
100	144	50,000	480	61	98	-13-140	yes <sup>3</sup>	yes <sup>3</sup>	yes <sup>3</sup>	yes <sup>3</sup>
108	170	60,000	480	77	98	-13-140	yes <sup>3</sup>	yes <sup>3</sup>	yes <sup>3</sup>	yes <sup>3</sup>
2 x 25	2 x 45	14,000	208	39	96	-13-140	yes	yes	yes	yes
2 x 35	2 x 45.5	20,000	480	24	97	-13-140	yes	yes	yes	yes
2 x 25	2 x 41	23,000	480	27.7	98	-22-140	yes	yes	yes	yes
2 x 29	2 x 48	28,000	480	33.7	98	-22-140	yes	yes	yes	yes
2 x 35	2 x 62.5	36,000	480	43.5	98	-22-140	yes	yes	yes	yes
3 x 36	3 x 60	50,000	480	60.2	98.5	-22-140	yes	yes	yes	yes
3 x 38	3 x 60	60,000	480	72.2	98.5	-22-140	yes	yes	yes	yes
2 x 18.5	2 x 23	15,000	277/480	20	98	-13-158	yes	no	yes	yes
2 x 22	2 x 27	20,000	277/480	25	98	-13-158	yes	no	yes	yes
2 x 24.2	2 x 29	24,000	277/480	30	98	-13-158	yes	no	yes	yes
2 x 28.3	2 x 34	28,000	277/480	34	98	-13-158	yes	no	yes	yes
2 x 30	DNR	24,000	277/480	32.1	98	-13-140	yes	yes	yes	yes
2 x 30	DNR	28,000	277/480	37.5	98	-13-140	yes	yes	yes	yes
2 x 36	DNR	36,000	277/480	48.2	98	-13-140	yes	yes	yes	yes
2 x 40	DNR	42,000	277/480	56.2	98	-13-140	yes	yes	yes	yes
2 x 60	2 x 108	60,000	277/480	80	98.5	-13-140	yes	yes	yes <sup>4</sup>	yes
2 x 70	2 x 108	80,000	277/480	100	98.5	-13-140	yes	yes	yes <sup>4</sup>	yes
25/16.5 <sup>5</sup>	37.5/24.8 <sup>5</sup>	9,995	208/240	27.7/24	96.5	-40-140	yes	no	no	yes
25/16.5 <sup>5</sup>	37.5/24.8 <sup>5</sup>	11,995	208/240	33.3/28.9	96.5	-40-140	yes	no	no	yes
25/16.5 <sup>5</sup>	37.5/24.8 <sup>5</sup>	9,995	480	12	96.5	-40-140	yes	no	no	yes
25/16.5 <sup>5</sup>	37.5/24.8 <sup>5</sup>	12,495	480	15	97	-40-140	yes	no	no	yes
50	75	15,000	208	41.6	96.5	-40-140	yes	no	yes	yes
33/25 <sup>5</sup>	49.5/37.5 <sup>5</sup>	14,995	480	18	97	-40-140	yes	no	yes	yes
33/25 <sup>5</sup>	49.5/37.5 <sup>5</sup>	17,495	480	21	97.5	-40-140	yes	no	yes	yes
33/25 <sup>5</sup>	49.5/37.5 <sup>5</sup>	19,995	480	24	97.5	-40-140	yes	no	yes	yes
33/25 <sup>5</sup>	49.5/37.5 <sup>5</sup>	22,727	480	27.3	97.5	-40-140	yes	no	yes	yes
33/25 <sup>5</sup>	49.5/37.5 <sup>5</sup>	23,995	480	28.9	97.5	-40-140	yes	no	yes	yes
2 x 15	DNR	6,000	480	7.2	97.5	-13-140	yes	no	no	yes
2 x 18	DNR	10,000	480	12	97.5	-13-140	yes	no	no	yes
2 x 18	DNR	15,000	480	18	97.5	-13-140	yes	no	no	yes
2 x 18	DNR	20,000	480	24	97.5	-13-140	yes	no	no	yes
4 x 18	DNR	25,000	480	30.1	98.3	-13-140	yes	no	no	yes
4 x 18	DNR	30,000	480	36.1	98.3	-13-140	yes	no	no	yes
4 x 18	DNR	36,000	480	43.3	98.3	-13-140	yes	no	no	yes
4 x 18	DNR	40,000	480	48.1	98.3	-13-140	yes	no	no	yes

## 2017 3-Phase String Inverter Specifications

Manufacturer	Model	Mechanical				Listing and Warranty	
		Cooling method	Enclosure NEMA rating	Dimensions H x W x D (in.)	Weight (lbs.)	Listing agency	Warranty std./ext. (yrs.)
ABB	TRIO-20.0-TL-OUTD-S1-US-480-A	passive	4X	41.7 x 27.6 x 11.5	157	CSA	10/15, 20
ABB	TRIO-27.6-TL-OUTD-S1-US-480-A	passive	4X	41.7 x 27.6 x 11.5	168	CSA	10/15, 20
ABB	TRIO-50.0-TL-OUTD-US	active	4X	28.5 x 58.7 x 12.4	209	TUV	10/15, 20
ABB	TRIO-60.0-TL-OUTD-US	active	4X	28.5 x 58.7 x 12.4	210	TUV	10/15, 20
Chint Power Systems	CPS SC14KTL-DO/US-208	active	4X	41.6 x 21.4 x 8.5	141	ETL	10/15, 20
Chint Power Systems	CPS SC20KTL-DO/US-480	active	4X	41.6 x 21.4 x 8.5	141	ETL	10/15, 20
Chint Power Systems	CPS SCA23KTL-DO/US-480	active	4X	39.4 x 23.6 x 9.1	124	CSA	10/15, 20
Chint Power Systems	CPS SCA28KTL-DO/US-480	active	4X	39.4 x 23.6 x 9.1	124	CSA	10/15, 20
Chint Power Systems	CPS SCA36KTL-DO/US-480	active	4X	39.4 x 23.6 x 9.1	145	CSA	10/15, 20
Chint Power Systems	CPS SCA50KTL-DO/US-480	active	4X	39.4 x 23.6 x 10.2	157	ETL	10/15, 20
Chint Power Systems	CPS SCA60KTL-DO/US-480	active	4X	39.4 x 23.6 x 10.2	157	ETL	10/15, 20
Delta	15kW TL	passive	4X	29.5 x 21.7 x 9.5	110	UL	10/15, 20
Delta	20kW TL	passive	4X	29.5 x 21.7 x 9.5	110	UL	10/15, 20
Delta	24kW TL	passive	4X	29.5 x 21.7 x 9.5	110	UL	10/15, 20
Delta	28kW TL	passive	4X	29.5 x 21.7 x 9.5	110	UL	10/15, 20
Delta	M24U	active	4X	32.3 x 24.2 x 11	127	UL	10/15, 20
Delta	M28U	active	4X	32.3 x 24.2 x 11	127	UL	10/15, 20
Delta	M36U	active	4X	32.3 x 24.2 x 11	129	UL	10/15, 20
Delta	M42U	active	4X	32.3 x 24.2 x 11	131	UL	10/15, 20
Delta	M60U	active	4X	35.4 x 24.2 x 10.8	181	ETL	10/15, 20
Delta	M80U	active	4X	35.4 x 24.2 x 10.8	181	ETL	10/15, 20
Fronius USA	Symo 10.0-3 208/240	active	4X	28.5 x 20.1 x 8.9	92	CSA	10/15, 20
Fronius USA	Symo 12.0-3 208/240	active	4X	28.5 x 20.1 x 8.9	92	CSA	10/15, 20
Fronius USA	Symo 10.0-3 480	active	4X	28.5 x 20.1 x 8.9	77	CSA	10/15, 20
Fronius USA	Symo 12.5-3 480	active	4X	28.5 x 20.1 x 8.9	77	CSA	10/15, 20
Fronius USA	Symo 15.0-3 280	active	4X	28.5 x 20.1 x 8.9	78	CSA	10/15, 20
Fronius USA	Symo 15.0-3 480	active	4X	28.5 x 20.1 x 8.9	96	CSA	10/15, 20
Fronius USA	Symo 17.5-3 480	active	4X	28.5 x 20.1 x 8.9	96	CSA	10/15, 20
Fronius USA	Symo 20.0-3 480	active	4X	28.5 x 20.1 x 8.9	96	CSA	10/15, 20
Fronius USA	Symo 22.7-3 480	active	4X	28.5 x 20.1 x 8.9	96	CSA	10/15, 20
Fronius USA	Symo 24.0-3 480	active	4X	28.5 x 20.1 x 8.9	96	CSA	10/15, 20
Ginlong Technologies	Solis-6K-US	passive	4X	26.1 x 16.9 x 9.3	64	ETL	10/15, 20
Ginlong Technologies	Solis-10K-US	passive	4X	26.1 x 16.9 x 9.3	64	ETL	10/15, 20
Ginlong Technologies	Solis-15K-US	passive	4X	26.1 x 16.9 x 9.3	71	ETL	10/15, 20
Ginlong Technologies	Solis-20K-US	passive	4X	26.1 x 16.9 x 9.3	71	ETL	10/15, 20
Ginlong Technologies	Solis-25K-US	passive	4X	37.2 x 23.4 x 14.4	148	ETL	10/15, 20
Ginlong Technologies	Solis-30K-US	passive	4X	37.2 x 23.4 x 14.4	148	ETL	10/15, 20
Ginlong Technologies	Solis-36K-US	passive <sup>6</sup>	4X	37.2 x 23.4 x 14.4	148	ETL	10/15, 20
Ginlong Technologies	Solis-40K-US	passive <sup>6</sup>	4X	37.2 x 23.4 x 14.4	148	ETL	10/15, 20

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## 2017 3-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 for rated power	Number of dc source circuits
Ginlong Technologies	Solis-50K-US <sup>8</sup>	DNR	1,000	200	DNR	4	200–850	4 x 3
Ginlong Technologies	Solis-60K-US-F	DNR	1,000	200	DNR	4	200–850	4 x 4
Ginlong Technologies	Solis-66K-US-F	DNR	1,000	200	DNR	4	200–850	4 x 4
HiQ Solar	TrueString TS208-5k75	12,000	1,000	200	200–850	2	325–525	2
HiQ Solar	TrueString TS480-8k	16,000	1,000	200	DNR	2	425–850	2
Huawei Technologies USA	SUN2000-25KTL-US	DNR	1,000	250	250–950	3	560–850	3 x 2
Huawei Technologies USA	SUN2000-30KTL-US	DNR	1,000	250	250–950	3	560–850	3 x 2
Huawei Technologies USA	SUN2000-33KTL-US	DNR	1,000	250	200–1,000	4	460–850	4 x 2
Huawei Technologies USA	SUN2000-36KTL-US	DNR	1,000	250	200–1,000	4	490–850	4 x 2
Huawei Technologies USA	SUN2000-40KTL-US	DNR	1,000	250	200–1,000	4	530–850	4 x 2
Huawei Technologies USA	SUN2000-45KTL-US-HV-DO	DNR	1,500	650	600–1,450	4	DNR	4 x 2
Ingeteam	INGECON SUN 3Play 40TL U M480	53,600	1,000	200	200–820	2	200–820	2 x 1
Pika Energy	X11400	15,000	420 <sup>9</sup>	60	380 <sup>9</sup>	varies <sup>10</sup>	60–360 <sup>8</sup>	varies <sup>10</sup>
REFUsoI	24K-UL	42,000	1,000	200	200–950	1	570–890	1
REFUsoI	48K-UL	84,000	1,000	200	200–950	1	580–850	1
Schneider Electric	CL18000 NA	DNR	1,000	DNR	250–1,000	2	300–800	2 x 4
Schneider Electric	CL25000 NA	DNR	1,000	DNR	250–1,000	2	500–800	2 x 4
SMA America	STP 12000TL-US	18,000	1,000	188	150–1,000	2	300–800	8 <sup>11</sup>
SMA America	STP 15000TL-US	22,500	1,000	188	150–1,000	2	300–800	8 <sup>11</sup>
SMA America	STP 20000TL-US	30,000	1,000	188	150–1,000	2	300–800	8 <sup>11</sup>
SMA America	STP 24000TL-US	36,000	1,000	188	150–1,000	2	450–800	8 <sup>11</sup>
SMA America	STP 30000TL-US	45,000	1,000	188	150–1,000	2	500–800	8 <sup>11</sup>
SMA America	STP 50-US-40 CORE1	75,000	1,000	188	150–1,000	6	500–800	6 x 2
SolarEdge Technologies	SE9KUS	12,150	500	varies <sup>12</sup>	400 <sup>9</sup>	varies <sup>12</sup>	varies <sup>12</sup>	2
SolarEdge Technologies	SE10KUS	13,500	980	varies <sup>12</sup>	840 <sup>9</sup>	varies <sup>12</sup>	varies <sup>12</sup>	2
SolarEdge Technologies	SE14.4KUS	19,400	600	varies <sup>12</sup>	400 <sup>9</sup>	varies <sup>12</sup>	varies <sup>12</sup>	3
SolarEdge Technologies	SE20KUS	27,000	980	varies <sup>12</sup>	840 <sup>9</sup>	varies <sup>12</sup>	varies <sup>12</sup>	2
SolarEdge Technologies	SE33.3KUS	45,000	980	varies <sup>12</sup>	840 <sup>9</sup>	varies <sup>12</sup>	varies <sup>12</sup>	3
Sungrow USA	SG30KU	DNR	1,000	300	280–950	2	480–850	2 x 5
Sungrow USA	SG36KU	DNR	1,000	300	280–950	2	560–850	2 x 5
Sungrow USA	SG60KU-M	DNR	1,000	300	300–950	4	550–850	4 x 4
Sungrow USA	SG125HV	DNR	1,500	920	860–1,450	1	860–1,250	1
Yaskawa–Solectria Solar	PVI 14TL	19,000	600	300	180–580	2	300–540	2 x 4
Yaskawa–Solectria Solar	PVI 20TL	27,000	600	300	260–580	2	300–550	2 x 4
Yaskawa–Solectria Solar	PVI 23TL	31,000	1,000	330	240–950	2	480–800	2 x 4
Yaskawa–Solectria Solar	PVI 28TL	38,000	1,000	330	240–950	2	500–800	2 x 4
Yaskawa–Solectria Solar	PVI 36TL	54,000	1,000	330	240–950	2	540–800	2 x 5
Yaskawa–Solectria Solar	PVI 50TL	75,000	1,000	330	200–950	3	480–850	3 x 5
Yaskawa–Solectria Solar	PVI 60TL	90,000	1,000	330	200–950	3	540–850	3 x 5

**Footnote Key**

<sup>1</sup> Per MPP tracker

<sup>2</sup> Default, adjustable

<sup>3</sup> Wiring boxes available in multiple product variants

<sup>4</sup> Fused string input, terminal block and MC4 connector wiring box options

<sup>5</sup> MPPT 1/MPPT 2

<sup>6</sup> Active fan-cooled option available

<sup>7</sup> Connector approved as load-break disconnect

<sup>8</sup> PV Link S2501 subarray optimizer specification

<sup>9</sup> Nominal dc input voltage

<sup>10</sup> String-level MPP tracking

<sup>11</sup> With SMA Connection Unit 1000-US

<sup>12</sup> Module-level MPP tracking

DNR = Does not report

		Output Data (ac)			Operation		Integrated Disconnects and Combiners			
Maximum usable input current <sup>1</sup>	Maximum short-circuit current	Rated power (W)	Nominal output voltage	Maximum output current	CEC-weighted efficiency (%)	Ambient temperature range (°F)	DC disconnect standard	AC disconnect standard	Fused combiner standard	Arc-fault protection
4 x 22	DNR	50,000	480	60.2	98.4	-13-140	yes	no	DNR	yes
4 x 28.5	DNR	60,000	480	72.2	98.4	-13-140	yes	no	DNR	yes
4 x 28.5	DNR	66,000	480	79.4	98.4	-13-140	yes	no	DNR	yes
2 x 10	30	5,750	208	16	97	-40-150	yes <sup>7</sup>	yes <sup>7</sup>	no	yes
2 x 10	30	8,000	480	16	98	-40-150	yes <sup>7</sup>	yes <sup>7</sup>	no	yes
3 x 25	3 x 33	25,000	480	33	98	-13-140	yes	no	no	yes
3 x 25	3 x 33	30,000	480	40	98	-13-140	yes	no	no	yes
4 x 22	4 x 30	33,300	480	44.1	98.5	-13-140	yes	no	no	yes
4 x 22	4 x 30	36,000	480	48.2	98.5	-13-140	yes	no	no	yes
4 x 22	4 x 30	40,000	480	53	98.5	-13-140	yes	no	no	yes
4 x 22	4 x 30	45,000	600	48	98.5	-13-140	yes	no	no	yes
2 x 40	DNR	40,000	480	48	98	-13-149	option	no	option	yes
30	DNR	11,400	208	32	97	-4-122	yes	no	yes	yes
44	80	24,000	480	29	98	-13-131	yes	no	no	option
84	160	48,000	480	59	98	-13-131	yes	no	no	option
2 x 32	2 x 36	18,000	480	25	97.5	-13-140	option <sup>3</sup>	no	option <sup>3</sup>	option <sup>3</sup>
2 x 26.5	2 x 36	25,000	480	33	98	-13-140	option <sup>3</sup>	no	option <sup>3</sup>	option <sup>3</sup>
2 x 33	2 x 53	12,000	480	14.4	97.5	-13-140	option <sup>11</sup>	no	option <sup>11</sup>	yes
2 x 33	2 x 53	15,000	480	18	97.5	-13-140	option <sup>11</sup>	no	option <sup>11</sup>	yes
2 x 33	2 x 53	20,000	480	24	97.5	-13-140	option <sup>11</sup>	no	option <sup>11</sup>	yes
2 x 33	2 x 53	24,000	480	29	98	-13-140	option <sup>11</sup>	no	option <sup>11</sup>	yes
2 x 33	2 x 53	30,000	480	36.2	98	-13-140	option <sup>11</sup>	no	option <sup>11</sup>	yes
6 x 20	6 x 30	50,000	480	64	98	-13-140	yes	yes	no	yes
26.5	45	9,000	208	25	96.5	-40-140	yes	yes	no	yes
13.5	45	10,000	480	12	98	-40-140	yes	yes	no	yes
38	45	14,400	208	40	97	-40-140	yes	yes	yes	yes
26.5	45	20,000	480	24	98	-40-140	yes	yes	no	yes
40	45	33,300	480	40	98.5	-40-140	yes	yes	yes	yes
2 x 33	2 x 60	30,000	480	40	98	-13-140	yes	yes	yes	yes
2 x 33	2 x 60	36,000	480	48	98	-13-140	yes	yes	yes	yes
4 x 28	4 x 50	60,000	480	80	98.5	-13-140	yes	yes	yes	yes
148	240	125,000	600	120	98.5	-13-140	yes	yes	yes	yes
2 x 25	2 x 45	14,000	208	39	96	-13-122	yes	yes	yes	yes
2 x 35	2 x 45.5	20,000	480	24	97	-13-122	yes	yes	yes	yes
2 x 25	2 x 41	23,000	480	27.7	98	-13-122	yes	yes	yes	yes
2 x 29	2 x 48	28,000	480	33.7	98	-13-122	yes	yes	yes	yes
2 x 35	2 x 50	36,000	480	43.5	98	-13-122	yes	yes	yes	yes
3 x 36	3 x 60	50,000	480	61	98.5	-22-140	yes	yes	yes	yes
3 x 38	3 x 60	60,000	480	73	98.5	-22-140	yes	yes	yes	yes

## 2017 3-Phase String Inverter Specifications

Manufacturer	Model	Cooling method	Mechanical			Listing and Warranty	
			Enclosure NEMA rating	Dimensions H x W x D (in.)	Weight (lbs.)	Listing agency	Warranty std./ ext. (yrs.)
Ginlong Technologies	Solis-50K-US	passive <sup>6</sup>	4X	40.7 x 24.8 x 13.9	165	ETL	10/15, 20
Ginlong Technologies	Solis-60K-US-F	active	4X	40.7 x 24.8 x 13.9	172	ETL	10/15, 20
Ginlong Technologies	Solis-66K-US-F	active	4X	40.7 x 24.8 x 13.9	172	ETL	10/15, 20
HiQ Solar	TrueString TS208-5k75	passive	6	18.7 x 13.2 x 3	24	MET	10/25
HiQ Solar	TrueString TS480-8k	passive	6	18.7 x 13.2 x 3	24	MET	10/25
Huawei Technologies USA	SUN2000-25KTL-US	passive	4X	30.3 x 21.7 x 10.6	126	CSA	10/15, 20, 25
Huawei Technologies USA	SUN2000-30KTL-US	passive	4X	30.3 x 21.7 x 10.6	126	CSA	10/15, 20, 25
Huawei Technologies USA	SUN2000-33KTL-US	passive	4X	21.7 x 36.6 x 10.2	137	CSA	10/15, 20, 25
Huawei Technologies USA	SUN2000-36KTL-US	passive	4X	21.7 x 36.6 x 10.2	137	CSA	10/15, 20, 25
Huawei Technologies USA	SUN2000-40KTL-US	passive	4X	21.7 x 36.6 x 10.2	137	CSA	10/15, 20, 25
Huawei Technologies USA	SUN2000-45KTL-US-HV-DO	passive	4X	23.6 x 36.6 x 10.6	141	CSA	10/15, 20, 25
Ingeteam	INGECON SUN 3Play 40TL U M480	active	4	28 x 29 x 10.5	138	ETL	10/15, 20
Pika Energy	X11400	active	3R	24.5 x 19.25 x 8	63	ETL	10/20
REFUsoL	24K-UL	passive	4X	24 x 21 x 11	88	ETL	DNR
REFUsoL	48K-UL	passive	4X	32 x 30 x 12	163	ETL	DNR
Schneider Electric	CL18000 NA	active	3R	42.3 x 26.5 x 10.5	152	CSA	10
Schneider Electric	CL25000 NA	active	3R	42.3 x 26.5 x 10.5	152	CSA	10
SMA America	STP 12000TL-US	active	3R	25.6 x 26.2 x 10.4	121	UL	10/15, 20
SMA America	STP 15000TL-US	active	3R	25.6 x 26.2 x 10.4	121	UL	10/15, 20
SMA America	STP 20000TL-US	active	3R	25.6 x 26.2 x 10.4	121	UL	10/15, 20
SMA America	STP 24000TL-US	active	3R	25.6 x 26.2 x 10.4	121	UL	10/15, 20
SMA America	STP 30000TL-US	active	3R	25.6 x 26.2 x 10.4	121	UL	10/15, 20
SMA America	STP 50-US-40 CORE1	active	4X	28.8 x 24.4 x 22.4	185	UL	10/15, 20
SolarEdge Technologies	SE9KUS	active	3R	30.5 x 12.5 x 10.5	80	ETL	12/20, 25
SolarEdge Technologies	SE10KUS	active	3R	30.5 x 12.5 x 10.5	80	ETL	12/20, 25
SolarEdge Technologies	SE14.4KUS	active	3R	30.5 x 12.5 x 10.5	106	ETL	12/20, 25
SolarEdge Technologies	SE20KUS	active	3R	30.5 x 12.5 x 10.5	80	ETL	12/20, 25
SolarEdge Technologies	SE33.3KUS	active	3R	30.5 x 12.5 x 10.5	106	ETL	12/20, 25
Sungrow USA	SG30KU	active	4X	34.6 x 24.5 x 9.8	143	CSA	10/15, 20
Sungrow USA	SG36KU	active	4X	34.6 x 24.5 x 9.8	143	CSA	10/15, 20
Sungrow USA	SG60KU-M	active	4X	36 x 26.2 x 10.9	154	CSA	10/15, 20
Sungrow USA	SG125HV	active	4X	35.1 x 24.6 x 11.7	159	CSA	10/15, 20
Yaskawa-Solectria Solar	PVI 14TL	active	4	41.6 x 21.4 x 8.5	141	ETL	10/15, 20
Yaskawa-Solectria Solar	PVI 20TL	active	4	41.6 x 21.4 x 8.5	132	ETL	10/15, 20
Yaskawa-Solectria Solar	PVI 23TL	active	4	39.4 x 23.6 x 9.1	104	CSA	10/15, 20
Yaskawa-Solectria Solar	PVI 28TL	active	4	39.4 x 23.6 x 9.1	104	CSA	10/15, 20
Yaskawa-Solectria Solar	PVI 36TL	active	4X	39.4 x 23.6 x 9.1	121	CSA	10/15, 20
Yaskawa-Solectria Solar	PVI 50TL	active	4X	39.4 x 23.6 x 10.2	157	CSA	10/15, 20
Yaskawa-Solectria Solar	PVI 60TL	active	4X	39.4 x 23.6 x 10.2	157	CSA	10/15, 20