



Product Service

# Compliance Document

No. D 087538 0031 Rev. 00

**Holder of Certificate:** **Shenzhen Senergy Technology Co., Ltd.**

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**Product:** **Converter  
(PV Inverter)**

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**Test report no.:** 64290213079003

**Date,** 2024-07-24

( Billy Qiu )



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**Model(s):** SE 3KTL-S1/G2, SE 5KTL-D1/G2, SE 6KTL-D1/G2, SE 2KTL-S1/G2P, SE 3KTL-S1/G2P, SE 3.6KTL-S1/G2P, SE 4KTL-D1/G2P, SE 5KTL-D1/G2P, SE 6KTL-D1/G2P, VP 2KTL-S1/G2P, VP 3KTL-S1/G2P, VP 3.6KTL-S1/G2P, VP 2KTL-S1/G2R, VP 3KTL-S1/G2R, VP 3.6KTL-S1/G2R, SE 4KTL-S1/G2R, SE 4.6KTL-S1/G2R, SE 5KTL-S1/G2R, SE 5.5KTL-S1/G2R, SE 6KTL-S1/G2R, SE 4KTL-D1/G2R, SE 4.6KTL-D1/G2R, SE 5KTL-D1/G2R, SE 6KTL-D1/G2R

## Parameters:

Model	SE 3KTL-S1/G2	SE 5KTL-D1/G2	SE 6KTL-D1/G2
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	500	550	
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	50 - 490	70 - 540	70 - 540
MPPT voltage range (full load) [V <sub>DC</sub> ]	280 - 430	230 - 480	280 - 480
Maximum input current [A <sub>DC</sub> ]	13	13/13	
Isc PV [A <sub>DC</sub> ]	15	15/15	
MPPT tracker number	1	2	
Maximum input power [W]	4500	7500	9000
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	13.0	21.7	26.1
Maximum continuous output current [A <sub>AC</sub> ]	15.0	25.0	27.3
Rated output active power [W]	3000	5000	6000
Maximum output active power [W]	3300	5500	6000
Maximum output apparent power [VA]	3300	5500	6000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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Model	SE 2KTL-S1/G2P	SE 3KTL-S1/G2P	SE 3.6KTL-S1/G2P
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	500		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	50 - 490		
MPPT voltage range (full load) [V <sub>DC</sub> ]	140 - 430	210 - 430	250 - 430
Maximum input current [A <sub>DC</sub> ]	15		
Isc PV [A <sub>DC</sub> ]	20		
MPPT tracker number	1		
Maximum input power [W]	3000	4500	5400
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	8.7	13.0	15.7
Maximum continuous output current [A <sub>AC</sub> ]	10.0	15.0	16.0
Rated output active power [W]	2000	3000	3600
Maximum output active power [W]	2200	3300	3600
Maximum output apparent power [VA]	2200	3300	3600
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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Model	SE 4KTL-D1/G2P	SE 5KTL-D1/G2P	SE 6KTL-D1/G2P
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	550		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	70 - 540		
MPPT voltage range (full load) [V <sub>DC</sub> ]	140 - 480	170 - 480	210 - 480
Maximum input current [A <sub>DC</sub> ]	15/15		
Isc PV [A <sub>DC</sub> ]	20/20		
MPPT tracker number	2		
Maximum input power [W]	6000	7500	9000
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	17.4	21.7	26.1
Maximum continuous output current [A <sub>AC</sub> ]	20.0	25.0	27.3
Rated output active power [W]	4000	5000	6000
Maximum output active power [W]	4400	5500	6000
Maximum output apparent power [VA]	4400	5500	6000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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Model	VP 2KTL-S1/G2P	VP 3KTL-S1/G2P	VP 3.6KTL-S1/G2P
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	500		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	50 - 490		
MPPT voltage range (full load) [V <sub>DC</sub> ]	140 - 430	210 - 430	250 - 430
Maximum input current [A <sub>DC</sub> ]	15		
Isc PV [A <sub>DC</sub> ]	20		
MPPT tracker number	1		
Maximum input power [W]	3000	4500	5400
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	8.7	13.0	15.7
Maximum continuous output current [A <sub>AC</sub> ]	10.0	15.0	16.0
Rated output active power [W]	2000	3000	3600
Maximum output active power [W]	2200	3300	3600
Maximum output apparent power [VA]	2200	3300	3600
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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Model	VP 2KTL-S1/G2R	VP 3KTL-S1/G2R	VP 3.6KTL-S1/G2R
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	500		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	50 - 490		
MPPT voltage range (full load) [V <sub>DC</sub> ]	110 - 430	160 - 430	190 - 430
Maximum input current [A <sub>DC</sub> ]	20		
Isc PV [A <sub>DC</sub> ]	30		
MPPT tracker number	1		
Maximum input power [W]	3000	4500	5400
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	8.7	13.0	15.7
Maximum continuous output current [A <sub>AC</sub> ]	10.0	15.0	16.0
Rated output active power [W]	2000	3000	3600
Maximum output active power [W]	2200	3300	3600
Maximum output apparent power [VA]	2200	3300	3600
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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Model	SE 4KTL-S1/G2R	SE 4.6KTL-S1/G2R	SE 5KTL-S1/G2R
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	600		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	70 - 550		
MPPT voltage range (full load) [V <sub>DC</sub> ]	210 - 500	240 - 500	260 - 500
Maximum input current [A <sub>DC</sub> ]	20		
Isc PV [A <sub>DC</sub> ]	30		
MPPT tracker number	1		
Maximum input power [W]	6000	6900	7500
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	17.4	20.0	21.7
Maximum continuous output current [A <sub>AC</sub> ]	20.0	23.0	25.0
Rated output active power [W]	4000	4600	5000
Maximum output active power [W]	4400	5060	5500
Maximum output apparent power [VA]	4400	5060	5500
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		



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No. D 087538 0031 Rev. 00

Model	SE 5.5KTL-S1/G2R	SE 6KTL-S1/G2R	SE 4KTL-D1/G2R
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	600		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	70 - 550		
MPPT voltage range (full load) [V <sub>DC</sub> ]	290 - 500	320 - 500	110 - 500
Maximum input current [A <sub>DC</sub> ]	20		20/20
Isc PV [A <sub>DC</sub> ]	30		30/30
MPPT tracker number	1		2
Maximum input power [W]	8250	9000	6000
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	23.9	26.1	17.4
Maximum continuous output current [A <sub>AC</sub> ]	27.3	27.3	20.0
Rated output active power [W]	5500	6000	4000
Maximum output active power [W]	6000	6000	4400
Maximum output apparent power [VA]	6000	6000	4400
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		





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Model	SE 4.6KTL-D1/G2R	SE 5KTL-D1/G2R	SE 6KTL-D1/G2R
PV terminal parameters			
Maximum PV voltage [V <sub>DC</sub> ]	600		
Rated voltage [V <sub>DC</sub> ]	360		
MPPT voltage range [V <sub>DC</sub> ]	70 - 550		
MPPT voltage range (full load) [V <sub>DC</sub> ]	120 - 500	130 - 500	160 - 500
Maximum input current [A <sub>DC</sub> ]	20/20		
Isc PV [A <sub>DC</sub> ]	30/30		
MPPT tracker number	2		
Maximum input power [W]	6900	7500	9000
Grid output terminal parameters			
Rated output voltage [V <sub>AC</sub> ]	1P+N+PE, 230		
Rated output frequency [Hz]	50		
Rated output current [A <sub>AC</sub> ]	20.0	21.7	26.1
Maximum continuous output current [A <sub>AC</sub> ]	23.0	25.0	27.3
Rated output active power [W]	4600	5000	6000
Maximum output active power [W]	5060	5500	6000
Maximum output apparent power [VA]	5060	5500	6000
Power factor range	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)		

**Tested according to:**

IEC 61683:1999