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Shenzhen Factory (Pingshan)

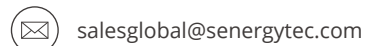
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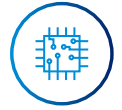
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Your Trusted Solar Inverter and Storage ODM Partner



Why Choose Us



R&D

- › Drive innovation in PV and energy storage inverters with a team of PhD experts and top engineers
- › Leverage IPD, CMMI, and DFSS to build an agile & efficient product development system with customized solutions
- › Implement thorough testing from components to systems to ensure high quality and reliability



Quality Control

- › Advanced TQM & GP systems in product development process for high reliability
- › Stringent process inspections in production to ensure consistent excellence
- › Proven manufacturing expertise trusted by global industry-leading brands



Manufacturing

- › Production facilities in Taipei, Shenzhen, and Vietnam
- › Advanced processes & automation to deliver efficient and reliable production
- › Rapid line changeovers and flexible production to deliver customized solutions
- › SKD solutions available

Taipei

Shenzhen

Vietnam

3

R&D Centers
(Shenzhen & Taipei)



4

Factories
(Shenzhen, Taipei & Vietnam)



12^{GW}

Per Year
Manufacturing Capacity



120+

Patents



Our Expertise in Customized Solutions

30+ Years of ODM Expertise
in Power Electronic Products



Rapid Customization
Management System



Flexible and Diverse ODM
Cooperation Process



Customized Product
Design and Accessories



Quality Control in Manufacturing Process



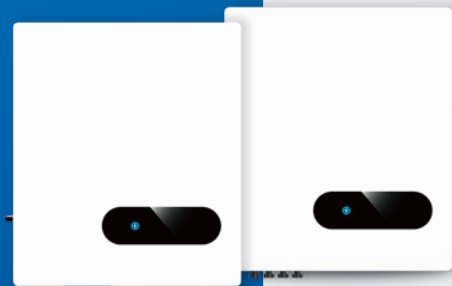
Grid-Tied **Inverter**



Residential Use

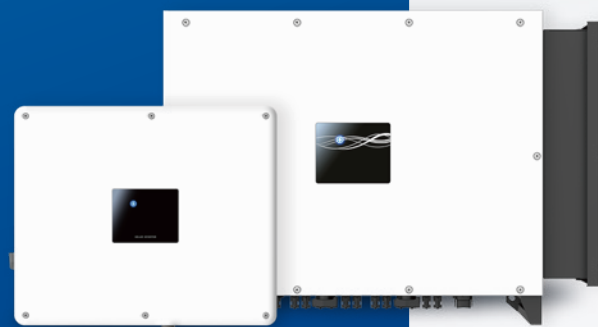
Single Phase
2kW-10.5kW

Three Phase
5kW-10kW



Small-Medium C&I Use

Three Phase
5kW-30kW



Medium-Large C&I Use

Three Phase
30kW-75kW
100kW-125kW

Hybrid **Inverter**

Single Phase

LV Battery

4kW-6kW-FG
3kW-6kW-ECO-II
3kW-6kW-S
3kW-6kW-D1/LV
8kW-12kW-ECO-II
8kW-10kW-T/EU

HV Battery

3kW-6kW



Split Phase

LV Battery

5kW-11.4kW-UL
11.4kW-ULP
6kW-12kW-LA



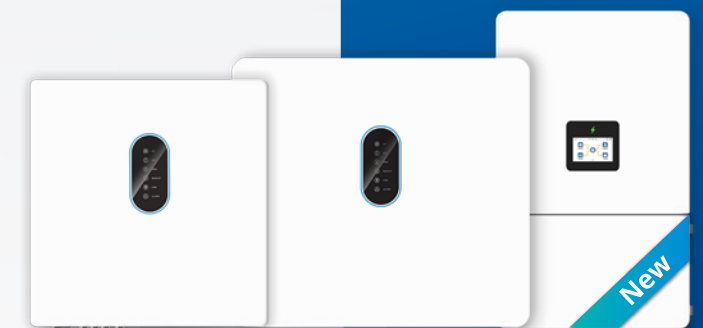
Three Phase

LV Battery

6kW-20kW

HV Battery

5kW-10kW
12kW-30kW



ISO 9001:2015 CEI-21

Grid-Tied Inverter

SE 2/3/3.6KTL-S1/G2P

Application: Residential Use



Superior Performance

- Maximum efficiency of 97.8%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



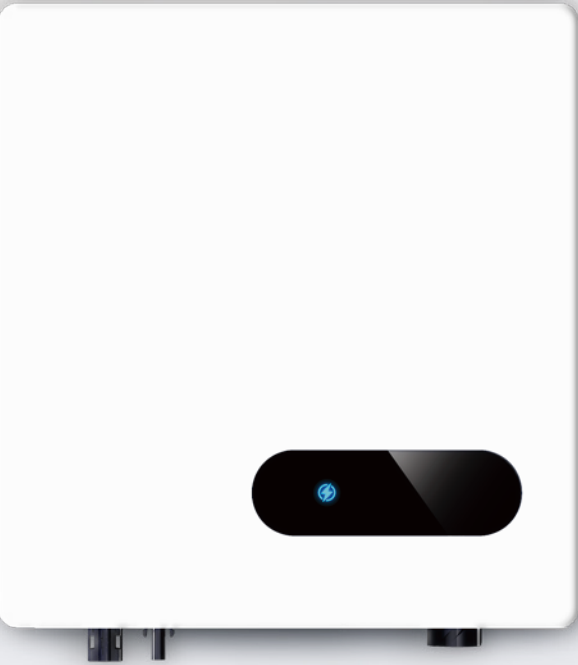
High Reliability

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app



SINGLE
PHASE &
SINGLE
MPPT

	SE 2KTL-S1/G2P	SE 3KTL-S1/G2P	SE 3.6KTL-S1/G2P
Efficiency			
Max. Efficiency		97.8%	
European Efficiency	96.5%	96.8%	96.8%
Input (PV)			
Max. Input Voltage		500V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		15A	
Max. Short Circuit Current		20A	
Start Input Voltage		70V	
MPPT Operating Voltage Range		50V-490V	
Max. Number of PV Strings		1	
No. of MPPTs		1	
Output (Grid)			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA
Max. AC Output Current	10A	15A	16A
Rated AC Voltage		220V/230V/240V, L+N+PE	
AC Voltage Range①		160V-300V (Adjustable)	
Rated Grid Frequency		50Hz/60Hz	
Grid Frequency Range②		45Hz-55Hz/55Hz-65Hz (Adjustable)	
THDI		<3%@Rated Power	
DC Current Injection		<0.5In	
Power Factor		> 0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)	
Protection			
DC Switch		Yes	
Anti-islanding Protection		Yes	
AC Overcurrent Protection		Yes	
AC Short Circuit Protection		Yes	
DC Reverse Protection		Yes	
Surge Arrester		DC Type III (Type II optional)/AC Type III (Type II optional)	
Insulation Detection		Yes	
Leakage Current Protection		Yes	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		<1W (Standard)	
Cooling Method		Natural Cooling	
Operating Temperature Range		-25°C~60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Dimensions (W*H*D)		320mm*344mm*137mm	
Weight		6.5kg	
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication Interface		Optional: Wi-Fi/GPRS/RS485/LAN	
Certification			
Safety		IEC 62109-1, IEC 62109-2	
Grid Code		DE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206001/206002-1, IEC 61727/62116, ORDINANCE n°140 2022, IEEE 1547, UL 1741, AS 4777, VDE 0126-1	
Warranty		5 Years	

Remarks: · ①②The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.

Grid-Tied Inverter

SE 4/5/6KTL-D1/G2P

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



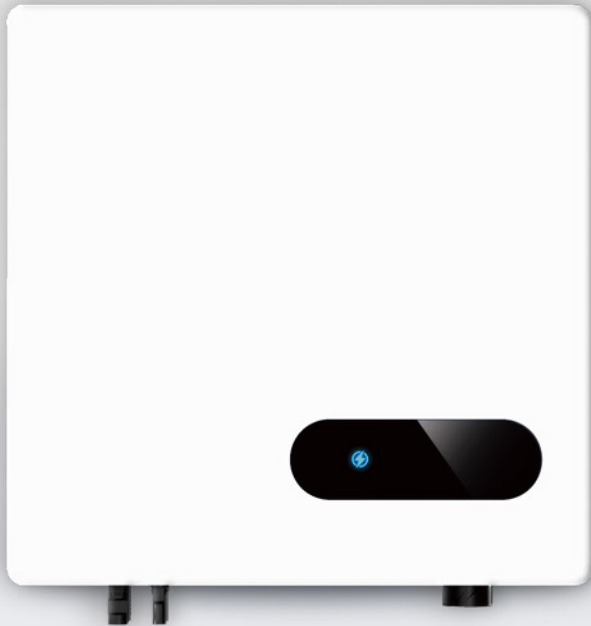
High Reliability

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app



SINGLE
PHASE &
DUAL
MPPT

	SE 4KTL-D1/G2P	SE 5KTL-D1/G2P	SE 6KTL-D1/G2P
Efficiency			
Max. Efficiency		98.2%	
European Efficiency	97.0%	97.3%	97.4%
Input (PV)			
Max. Input Voltage		550V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		15A/15A	
Max. Short Circuit Current		20A/20A	
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-540V	
Max. Number of PV Strings		1/1	
No. of MPPTs		2	
Output (Grid)			
Rated AC Active Power	4,000W	5,000W	6,000W
Max. AC Apparent Power	4,400VA	5,500VA	6,000VA
Max. AC Output Current	20A	25A	27.3A
Rated AC Voltage		220V/230V/240V, L+N+PE	
AC Voltage Range①		160V-300V (Adjustable)	
Rated Grid Frequency		50Hz/60Hz	
Grid Frequency Range②		45Hz-55Hz/55Hz-65Hz (Adjustable)	
THDI		<3%@Rated Power	
DC Current Injection		<0.5%In	
Power Factor		> 0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)	
Protection			
DC Switch		Yes	
Anti-islanding Protection		Yes	
AC Overcurrent Protection		Yes	
AC Short Circuit Protection		Yes	
DC Reverse Protection		Yes	
Surge Arrester		DC Type III (Type II optional)/AC Type III (Type II optional)	
Insulation Detection		Yes	
Leakage Current Protection		Yes	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		< 1W (Standard)	
Cooling Method		Natural Cooling	
Operating Temperature Range			

Grid-Tied Inverter

SE 4/5/6KTL-S1/G2R, SE 4/5/6KTL-D1/G2R

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Max. string current up to 20A
- 1MPPT or 2MPPT, compatible with various application scenarios



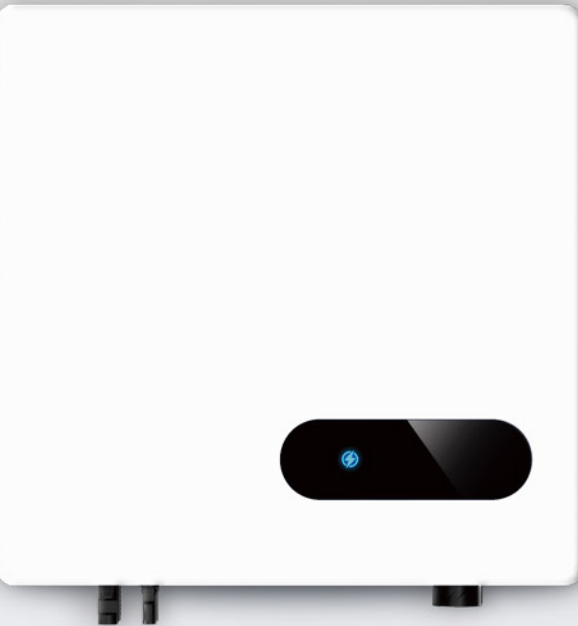
High Reliability

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app



SINGLE PHASE & SINGLE/DUAL MPPT

	SE 4KTL-S1/G2R	SE 5KTL-S1/G2R	SE 6KTL-S1/G2R	SE 4KTL-D1/G2R	SE 5KTL-D1/G2R	SE 6KTL-D1/G2R
Efficiency						
Max. Efficiency			98.2%			
European Efficiency	97.0%	97.3%	97.4%	97.0%	97.3%	97.4%
Input (PV)						
Max. Input Voltage			600V			
Max. PV Configuration (STC)			150%			
Rated Input Voltage			360V			
Max. Input Current	20A	20A	20A	20A/20A	20A/20A	20A/20A
Max. Short Circuit Current	30A	30A	30A	30A/30A	30A/30A	30A/30A
Start Input Voltage			90V			
MPPT Operating Voltage Range			70V-550V			
Max. Number of PV Strings	1	1	1	2	2	2
No. of MPPTs	1	1	1	2	2	2
Output (Grid)						
Rated AC Active Power	4,000W	5,000W	6,000W	4,000W	5,000W	6,000W
Max. AC Apparent Power	4,400VA	5,500VA	6,000VA	4,400VA	5,500VA	6,000VA
Max. AC Output Current	20A	25A	27.3A	20A	25A	27.3A
Rated AC Voltage			220V/230V/240V, L+N+PE			
AC Voltage Range①			160V-300V (Adjustable)			
Rated Grid Frequency			50Hz/60Hz			
Grid Frequency Range②			45Hz-55Hz/55Hz-65Hz (Adjustable)			
THDI			<3%@Rated Power			
DC Current Injection			<0.5%In			
Power Factor			> 0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)			
Protection						

Grid-Tied Inverter

SE 7/8/10KTL-D1P

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



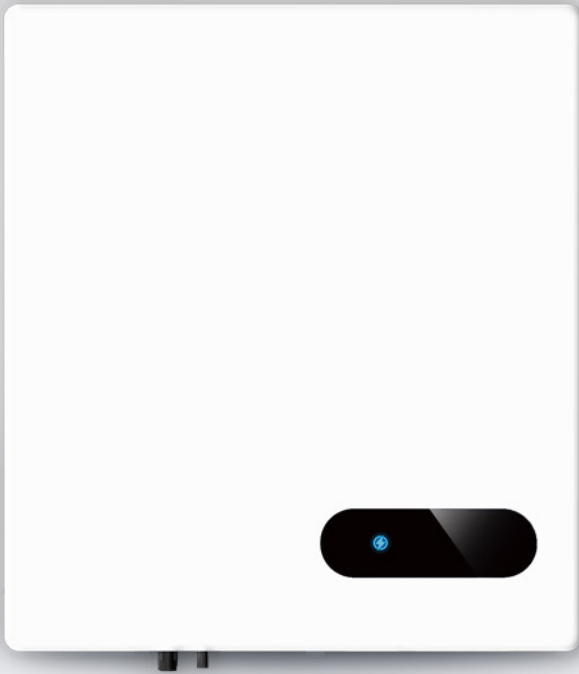
High Reliability

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE
PHASE &
DUAL
MPPT

	SE 7KTL-D1P	SE 8KTL-D1P	SE 10KTL-D1P
Efficiency			
Max. Efficiency	98.2%		
European Efficiency	97.5%		
Input (PV)			
Max. Input Voltage	550V		
Max. PV Configuration (STC)	150%		
Rated Input Voltage	360V		
Max. Input Current	20A/20A	20A/30A	20A/30A
Max. Short Circuit Current	20A/20A	20A/40A	20A/40A
Start Input Voltage	90V		
MPPT Operating Voltage Range	60V-540V		
Max. Number of PV Strings	1/1	1/2	1/2
No. of MPPTs	2		
Output (Grid)			
Rated AC Active Power	7,000W	8,000W	10,000W
Max. AC Apparent Power	7,700VA	8,800VA	10,000VA
Max. AC Output Current	35A	40A	45.5A
Rated AC Voltage	220V/230V/240V, L+N+PE		
AC Voltage Range①	160V-300V (Adjustable)		
Rated Grid Frequency	50Hz/60Hz		
Grid Frequency Range②	45Hz-55Hz/55Hz-65Hz (Adjustable)		
THDI	<3%@Rated Power		
DC Current Injection	<0.5%In		
Power Factor	>0.99@Rated power (Adjustable 0.8 LD - 0.8 LG)		
Protection			
DC Switch	Yes		
Anti-islanding Protection	Yes		
AC Overcurrent Protection	Yes		
AC Short Circuit Protection	Yes		
DC Reverse Protection			

Grid-Tied Inverter

SE 2/3/3.6/3.68/4KTL-S1/G3

Application: Residential Use



Superior Performance

- Maximum efficiency of 97.8%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE
PHASE &
SINGLE
MPPT

	SE 2KTL-S1/G3	SE 3KTL-S1/G3	SE 3K6TL-S1/G3	SE 3K68TL-S1/G3	SE 4KTL-S1/G3
Efficiency					
Max. Efficiency	97.8%				
European Efficiency	97.0%				
Input (PV)					
Max. Input Voltage	550V				
Max. PV Configuration (STC)	150%				
Rated Input Voltage	360V				
Max. Input Current	20A				
Max. Short Circuit Current	30A				
Start Input Voltage	50V				
MPPT Operating Voltage Range	40V-540V				
Number of MPPTs	1				
No. of PV Strings	1				
Output (Grid)					
Rated AC Active Power	2,000W	3,000W	3,600W	3,680W	4,000W
Max. AC Apparent Power	2,200VA	3,300VA	3,960VA	4,048VA	4,400VA
Max. AC Output Current	10A	15A	18A	18.4A	20A
Rated AC Voltage	220V/230V/240V, L+N+PE				
AC Voltage Range①	160V-300V (Adjustable)				
Rated Grid Frequency	50Hz/60Hz				
Grid Frequency Range②	45Hz-55Hz/55Hz-65Hz (Adjustable)				

Grid-Tied Inverter

SE 4.6/5/5.5/6KTL-S1/G3

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



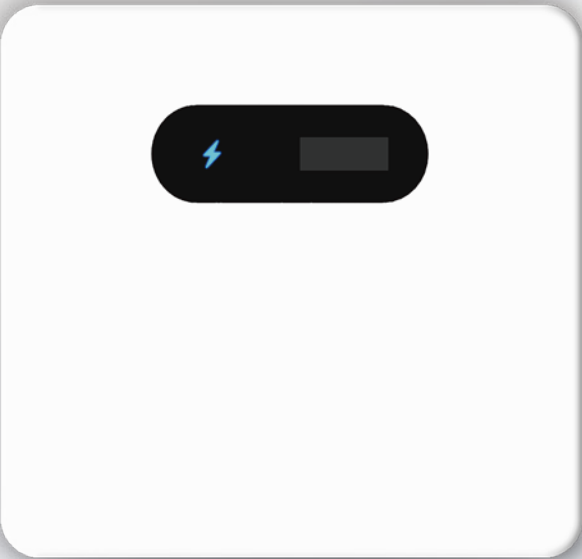
High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE
PHASE &
SINGLE
MPPT

	SE 4K6TL-S1/G3	SE 5KTL-S1/G3	SE 5K5TL-S1/G3	SE 6KTL-S1/G3
Efficiency				
Max. Efficiency	98.2%			
European Efficiency	97.4%			
Input (PV)				
Max. Input Voltage	550V			
Max. PV Configuration (STC)	150%			
Rated Input Voltage	360V			
Max. Input Current	20A			
Max. Short Circuit Current	30A			
Start Input Voltage	50V			
MPPT Operating Voltage Range	40V-540V			
Number of MPPTs	1			
No. of PV Strings	1			
Output (Grid)				
Rated AC Active Power	4,600W	5,000W	5,500W	6,000W
Max. AC Apparent Power	5,060VA	5,500VA	6,050VA	6,600VA
Max. AC Output Current	23A	25A	27.5A	30A
Rated AC Voltage	220V/230V/240V, L+N+PE			
AC Voltage Range①	160V-300V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range②	45Hz-55Hz/55Hz-65Hz (Adjustable)			
THDI	<3%@Rated Power			
DC Current Injection	<0.5%@Rated Current			
Power Factor	> 0.99@Rated power			

Grid-Tied Inverter

SE 3.6/4/4.6/5/6/6.6KTL-D1/G3

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



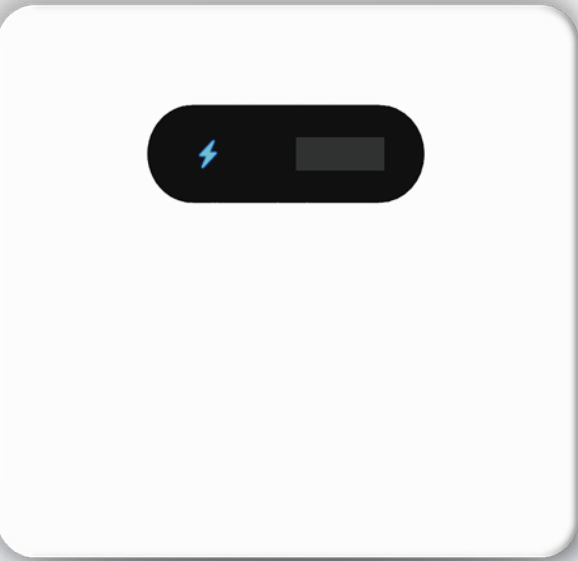
High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE
PHASE &
DUAL
MPPT

	SE 3K6TL-D1/G3	SE 4KTL-D1/G3	SE 4K6TL-D1/G3	SE 5KTL-D1/G3	SE 6KTL-D1/G3	SE 6K6TL-D1/G3
Efficiency						
Max. Efficiency	98.2%					
European Efficiency	97.4%					
Input (PV)						
Max. Input Voltage	550V					
Max. PV Configuration (STC)	150%					
Rated Input Voltage	360V					
Max. Input Current	20A/20A					
Max. Short Circuit Current	30A/30A					
Start Input Voltage	50V					
MPPT Operating Voltage Range	40V-540V					
Number of MPPTs	2					
No. of PV Strings	1/1					
Output (Grid)						
Rated AC Active Power	3,600W	4,000W	4,600W	5,000W	6,000W	6,600W
Max. AC Apparent Power	3,960VA	4,400VA	5,060VA	5,500VA	6,600VA	7,260VA
Max. AC Output Current	18A	20A	23A	25A	30A	33A
Rated AC Voltage						

Grid-Tied Inverter

SE 7.5/8/10/10.5KTL-T1

Application: Residential Use



Superior Performance

- Maximum efficiency of 98.2%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids



High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI 2.0 function



Intelligent Maintenance

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations



SINGLE
PHASE &
TRIPLE
MPPT

	SE 7K5TL-T1	SE 8KTL-T1	SE 10KTL-T1	SE 10K5TL-T1
Efficiency				
Max. Efficiency	98.2%			
European Efficiency	97.5%			
Input (PV)				
Max. Input Voltage	550V			
Max. PV Configuration (STC)	150%			
Rated Input Voltage	360V			
Max. Input Current	20A/20A/20A			
Max. Short Circuit Current	30A/30A/30A			
Start Input Voltage	50V			
MPPT Operating Voltage Range	40V-540V			
Number of MPPTs	3			
No. of PV Strings	1/1/1			
Output (Grid)				
Rated AC Active Power	7,500W	8,000W	10,000W	10,500W
Max. AC Apparent Power	8,250VA	8,800VA	11,000VA	11,550VA
Max. AC Output Current	35A	40A	50A	50A
Rated AC Voltage	220V/230V/240V, L+N+PE			
AC Voltage Range①	160V-300V (Adjustable)			
Rated Grid Frequency	50Hz/60Hz			
Grid Frequency Range②	45Hz-55Hz/55Hz-65Hz (Adjustable)			
THDI	<3%@Rated Power			
DC Current Injection	<0.5%@Rated Current			
Power Factor	> 0.99@Rated power (Adjustable 0.			

