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**YOUR TRUSTWORTHY
SOLAR INVERTER AND STORAGE
ODM PARTNER**



COMPANY MILESTONES



APD (Parent Company)

A Leader in Power Electronics
and Renewable Energy Technology



- > Established in **1994** in Taiwan
- > Sales revenue amounting to **US\$ 300 million** in 2021
- > **2200** employees worldwide
- > **Three** business units:
 - Power Supply Business
 - Renewable Energy Business
 - Uninterruptable Power System Business
- > The PV inverter market leader in Taiwan with PrimeVOLT brand

Senergy (Subsidiary)

Leading PV Inverter
ODM Manufacturer



- > Senergy brand established in mainland China in **2016**
- > Focusing on **grid-tie PV inverter** and **energy storage system**
- > **120+** R&D engineers with proven capabilities in research and development
- > **3GW** delivery in 2021
- > Robust and dynamic **ODM** capabilities
- > Providing premium products and customized innovative solutions to customers around **Asia, Europe, Australia and South America**
- > U.S model product launched in 2022 with "made-in-Taiwan" manufacturing support



FOOTPRINT MANUFACTURING CAPACITY

3.6GW
Per Year **300MW**
Per Month

R&D Center &
2 factories in Shenzhen

* Capacity will increase to **10GW** after moving
to Pingshan factory in 2022



OUR COMPETITIVE ADVANTAGES



R&D

- The pioneers and practitioners of the Chinese string inverter
- Dual research centers in both Taipei and Shenzhen
- Integrated Product Development (IPD) process
- DFMEA & PFMEA-guaranteed product reliability



QUALITY CONTROL

- ISO13485 for medical equipment level quality system
- Comprehensive QC and GP system throughout product development and production processes
- Endorsed by the leading industry players



MANUFACTURING

- Dual manufacturing bases in both Taipei and Shenzhen
- Full industry process ranging from PCBA manufacturing to burn-in tests
- Highly-automated production equipment and flexible production line



DIVERSIFIED ODM COOPERATION PATTERNS



COMPREHENSIVE QC AND GP SYSTEM



CUSTOMIZED APPEARANCE DESIGN AND FEATURE

YOUR TRUSTWORTHY ODM PARTNER



QUALITY CONTROL IN MANUFACTURING PROCESS



1st auto-optical
Detection for SMD



2nd optical
detection for PCBA



Functional Test
For PCBA



Conformal
Coating



Automated Hi-Pot
& Function test



Burn in for 3-8h
in 40°C



2nd Function test
after BI



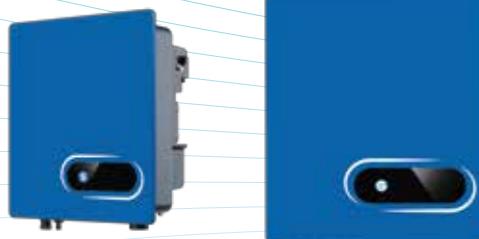
Tightness Test for IP65
& Communication Test



PRODUCT LINE PLATFORM

On-Grid Inverter Residential Use

Single Phase
2kW-10kW



Three Phase
5kW-15kW

On-Grid Inverter Small-medium I & C Use

Three Phase
10kW-25kW



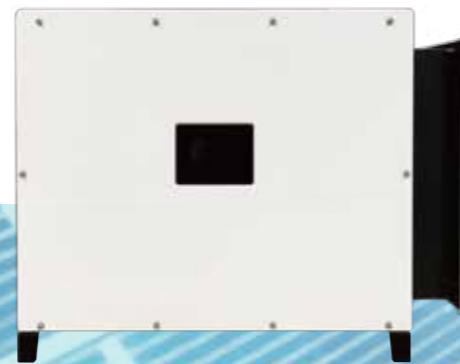
Three Phase
17kW-30kW

On-Grid Inverter Medium-large I & C Use

Three Phase
50kW-60kW



Three Phase
100kW-125kW



Energy Storage Inverter Residential Use

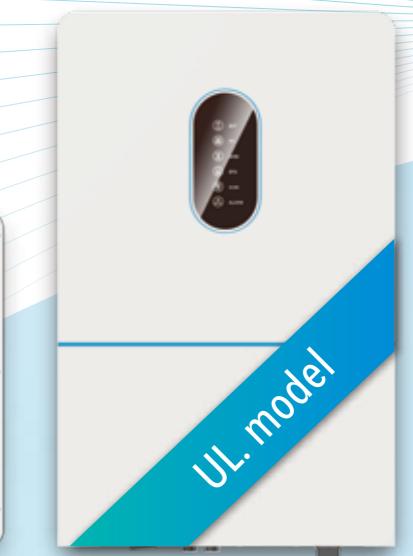
Single Phase
3kW-6kW



Three Phase
5kW-10kW



Single Phase
6kW-10kW-UL



ISO 9001:2008 CEI-21

SINGLE PHASE & SINGLE MPPT

SE 2/3/3.6KTL-S1/G2

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 97.8%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

Model	SE 2KTL-S1/G2	SE 3KTL-S1/G2	SE 3K6TL-S1/G2
Efficiency			
Max. Efficiency	97.5%	97.8%	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		13A	
Max. Short Circuit Current		15A	
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 Active Power (PF=1)	2,200W	3,300W	3,600W
Max. AC Output Current	10A	15A	16A
Rated AC Voltage		220V/230V, 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 Leading-0.8 Lagging)	
Protection			
DC switch		Support	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
DC reverse connection		Support	
Surge Arrester		DC Type III (Optional) / AC Type III	
Insulation detection		Support	
Leakage current protection		Support	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		<1W	
Cooling		Natural cooling	
Operating Temperature Range		-25°C-60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Noise (typical)		30dB	
Dimensions (W*H*D)		320mm*344mm*137mm	
Weight		6.5Kg	
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication		WiFi (Optional) / GPRS (Optional) / RS485 (Optional)	
Certification			
Safety		IEC62109-1, IEC62109-2	
Grid Code		IEC61727 / 62116, ABNT 16149 / 16150, IEEE 1547, AS 4777	
Warranty		5 Years	

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

SINGLE PHASE & DUAL MPPT

SE 4/5/6KTL-D1/G2

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.2%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

Model	SE 4KTL-D1/G2	SE 5KTL-D1/G2	SE 6KTL-D1/G2
Efficiency			
Max. Efficiency			
European Efficiency	98.0%	98.2%	98.2%
97.0%	97.3%	97.4%	97.4%
Input(PV)			
Max. Input Voltage		550V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		26A (2*13A)	
Max. Short Circuit Current		30A (2*15A)	
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-540V	
Max. Number of PV Strings		2(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 Active Power (PF=1)	4,400W	5,500W	6,000W
Max. AC Output Current	20A	25A	27.3A
Rated AC Voltage	220V/230V, 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 Leading-0.8 Lagging)		
Protection			
DC switch		Support	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
DC reverse connection		Support	
Surge Arrester		DC Type III (Optional) / AC Type III	
Insulation detection		Support	
Leakage current protection		Support	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		<1W	
Cooling		Natural cooling	
Operating Temperature Range		-25°C-60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Noise (typical)		30dB	
Dimensions (W*H*D)		347mm*350mm*137mm	
Weight		8.5Kg	
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication		WiFi (Optional) / GPRS (Optional) / RS485 (Optional)	
Certification			
Safety		IEC62109-1, IEC62109-2	
Grid Code		IEC61727 / 62116, ABNT 16149 / 16150, IEEE 1547, AS 4777	
Warranty			
		5 Years	

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

SINGLE PHASE & DUAL MPPT

SE 7/8/10KTL-D1

Application: Family Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.2%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

Model	SE 7KTL-D1	SE 8KTL-D1	SE 10KTL-D1
Efficiency			
Max. Efficiency	98.2%	98.2%	98.2%
European Efficiency	97.4%	97.5%	97.6%
Input(PV)			
Max. Input Voltage		550V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current	26A (2*13A)	39A (2*13A+13A)	
Max. Short Circuit Current	30A (2*15A)	45A(2*15A+15A)	
Start Input Voltage		90V	
MPPT Operating Voltage Range		70V-540V	
Max. Number of PV Strings	2(1/1)	3(2/1)	
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 Active Power (PF=1)	7,700W	8,800W	10,000W
Max. AC Output Current	35A	40A	45.5A
Rated AC Voltage		220V/230V, 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 Leading-0.8 Lagging)	
Protection			
DC switch		Support	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
DC reverse connection		Support	
Surge Arrester		DC Type III (Optional) / AC Type III	
Insulation detection		Support	
Leakage current protection		Support	
General			
Topology		Transformerless	
IP Rating		IP65	
Night Self Consumption		<1W	
Cooling		Natural cooling	
Operating Temperature Range		-25°C-60°C	
Relative Humidity Range		0-100%	
Max. Operating Altitude		4000m	
Noise (typical)		30dB	
Dimensions (W*H*D)		400mm*450mm*170mm	
Weight		16Kg	
HMI & COM			
Display		Wireless & APP+LED, LCD (Optional)	
Communication		WiFi (Optional) / GPRS (Optional) / RS485 (Optional)	
Certification			
Safety		IEC62109-1, IEC62109-2	
Grid Code		IEC61727 / 62116, ABNT 16149 / 16150, IEEE 1547, AS 4777	
Warranty		5 Years	

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

THREE PHASE & DUAL MPPT

SE 5/6/8/10/12/15KTL-D3/G2



SUPERIOR EFFICIENCY

- Maximum efficiency 98.3%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC /AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	SE 5KTL-D3/G2	SE 6KTL-D3/G2	SE 8KTL-D3/G2	SE 10KTL-D3/G2	SE 12KTL-D3/G2	SE 15KTL-D3/G2
Efficiency						
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%
European Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
Input (PV)						
Max. Input Voltage			1100V			
Max. PV configuration			150%			
Rated Input Voltage			620V			
Max. Input Current		2*15A			2*15A+15A	
Max. Short Circuit Current		2*20A			2*20A+20A	
Start Input Voltage			180V			
MPPT Operating Voltage Range			160V-1000V			
Max. Number of PV Strings		2 (1/1)			2	
No. of MPPTs					3 (2/1)	
Output (Grid)						
Rated AC Active Power	5000W	6,000W	8,000W	10,000W	12,000W	15,000W
Max. AC Apparent Power	5500VA	6,600VA	8,800VA	11,000VA	13,200VA	16,500VA
Max. AC Active Power (PF=1)	5500W	6,600W	8,800W	11,000W	13,200W	16,500W
Max. AC Output Current	3*8.4A	3*10.1A	3*13.4A	3*16.8A	3*20.2A	3*25.3A
Rated AC Voltage			380V / 400V / 415V, 3W+N+PE			
AC Voltage Range①			260V-510V (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 0.8 Leading - 0.8Lagging)			
Protection						
DC switch			Support			
Anti-islanding protection			Support			
AC overcurrent protection			Support			
AC short circuit protection			Support			
DC reverse connection			Support			
Surge Arrester			AC Type III (Type II optional) / DC Type III (Type II optional)			
Insulation detection			Support			
String current detection			Support			
Leakage current protection			Support			
General						
Topology			Transformerless			
IP Rating			IP66			
Night Self Consumption			<1W			
Cooling			Natural cooling			
Operating Temperature Range			-25°C-60°C			
Relative Humidity Range			0-100%			
Max. Operating Altitude			4000m			
Noise			<30dB			
Dimensions (W*H*D)			398mm*460mm*190mm			
Weight			23Kg			
HMI & COM						
Display			Wireless & APP +LED, LCD (Optional)			
Communication			RS485, WiFi / GPRS / 4G (Optional)			
Certification						
Safety			IEC62109-1, IEC62109-2			
Grid Code			VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116			
Warranty			5 Years			

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

THREE PHASE & DUAL MPPT

SE 10/12/15KTL-D3/G2P, SE 17/20/22/25KTL-D3/G2



SUPERIOR EFFICIENCY

- Maximum efficiency 98.4%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC /AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	SE 10KTL-D3/G2P	SE 12KTL-D3/G2P	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	SE 20KTL-D3/G2	SE 22KTL-D3/G2	SE 25KTL-D3/G2
Efficiency							
Max. Efficiency	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.8%	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%
Input (PV)							
Max. Input Voltage				1100V			
Max. PV configuration				150%			
Rated Input Voltage				620V			
Max. Input Current	30A+15A				2*30A		
Max. Short Circuit Current	40A+20A				2*40A		
Start Input Voltage				180V			
MPPT Operating Voltage Range				160V-1000V			
Max. Number of PV Strings	3 (2/1)				4 (2/2)		
No. of MPPTs					2		
Output (Grid)							
Rated AC Active Power	10,000W	12,000W	15,000W	17,000W	20,000W	22,000W	25,000W
Max. AC Apparent Power	11,000VA	13,200VA	16,500VA	18,700VA	22,000VA	24,200VA	25,000VA
Max. AC Active Power (PF=1)	11,000W	13,200W	16,500W	18,700W	22,000W	24,200W	25,000W
Max. AC Output Current	3*16.8A	3*20.2A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A
Rated AC Voltage				380V / 400V / 415V, 3W+N+PE			
AC Voltage Range①				260V-510V (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 0.8 Leading - 0.8Lagging)			
Protection							
DC switch					Support		
Anti-islanding protection					Support		
AC overcurrent protection					Support		
AC short circuit protection					Support		
DC reverse connection					Support		
Surge Arrester					AC Type III (Type II optional) / DC Type III (Type II optional)		
Insulation detection					Support		
String current detection					Optional		
Leakage current protection					Support		
General							
Topology					Transformerless		
IP Rating					IP66		
Night Self Consumption					<1W		
Cooling				Natural cooling			Fan cooling
Operating Temperature Range						-25°C-60°C	
Relative Humidity Range						0-100%	
Max. Operating Altitude						4000m	
Noise						<45dB	
Dimensions (W*H*D)						398mm*460mm*190mm	
Weight						23Kg	
HMI & COM							
Display						Wireless & APP +LED, LCD (Optional)	
Communication						RS485, WiFi / GPRS / 4G (Optional)	
Certification							
Safety						IEC62109-1, IEC62109-2	
Grid Code						VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116	
Warranty						5 Years	

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

THREE PHASE & DUAL MPPT

SE 17/20/22KTL-D3

Application: Small-sized Industrial and Residential Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.6%
- String current 13.5A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Natural Cooling
- Integrated type II DC/AC SPD
- APP for local settings & display



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export control

Model	SE 17KTL-D3	SE 20KTL-D3	SE 22KTL-D3
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.2%	97.7%	98.2%
Input(PV)			
Max. Input Voltage	1000V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	54A (2*27A)		
Max. Short Circuit Current	60A (2*30A)		
Start Input Voltage	250V		
MPPT Operating Voltage Range	180V-960V		
Max. Number of PV Strings	4 (2/2)		
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	17,000W	20,000W	22,000W
Max. AC Apparent Power	18,700VA	22,000VA	24,200VA
Max. AC Active Power (PF=1)	18,700W	22,000W	24,200W
Max. AC Output Current	3*28.3A	3*33.5A	3*35A
Rated AC Voltage	380V/400V, 3W+N+PE		
AC Voltage Range①	277V-520V (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 LG - 0.8 LD)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Natural cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<30dB		
Dimensions (W*H*D)	555mm*446mm*270mm		
Weight	35Kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116		
Warranty	5 Years		

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

THREE PHASE & DUAL MPPT

SE 25/28/30KTL-D3

Application: Small-sized Industrial and Residential Use



SUPERIOR EFFICIENCY

- Maximum efficiency 98.6%
- String current 13.5A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Integrated type II DC/AC SPD
- APP for local settings & display



INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export control

Model	SE 25KTL-D3	SE 28KTL-D3	SE 30KTL-D3
Efficiency			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.3%	98.3%	98.3%
Input(PV)			
Max. Input Voltage	1000V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	81A (2*40.5A)		
Max. Short Circuit Current	90A (2*45A)		
Start Input Voltage	250V		
MPPT Operating Voltage Range	180V-960V		
Max. Number of PV Strings	6 (3/3)		
No. of MPPTs	2		
Output(Grid)			
Rated AC Active Power	25,000W	28,000W	30,000W
Max. AC Apparent Power	27,500VA	30,800VA	33,000VA
Max. AC Active Power (PF=1)	27,500W	30,800W	33,000W
Max. AC Output Current	3*40A	3*45A	3*48A
Rated AC Voltage	380V/400V, 3W+N+PE		
AC Voltage Range①	277V-520V (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 LG - 0.8 LD)		
Protection			
DC switch	Support		
Anti-islanding protection	Support		
AC overcurrent protection	Support		
AC short circuit protection	Support		
DC reverse connection	Support		
Surge Arrester	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W		
Cooling	Fan cooling		
Operating Temperature Range	-25°C-60°C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Noise	<50dB		
Dimensions (W*H*D)	555mm*446mm*270mm		
Weight	41Kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)		
Certification			
Safety	IEC62109-1, IEC62109-2		
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116		
Warranty	5 Years		

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

THREE PHASE & QUAD MPPT

SE 50/60KTL

Application: Large-scale Industrial and Commercial Sites



SUPERIOR EFFICIENCY

- Maximum efficiency 99.0%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Integrated type II DC/AC SPD
- APP for local settings & display
- High quality components use



INTELLIGENT MAINTENANCE

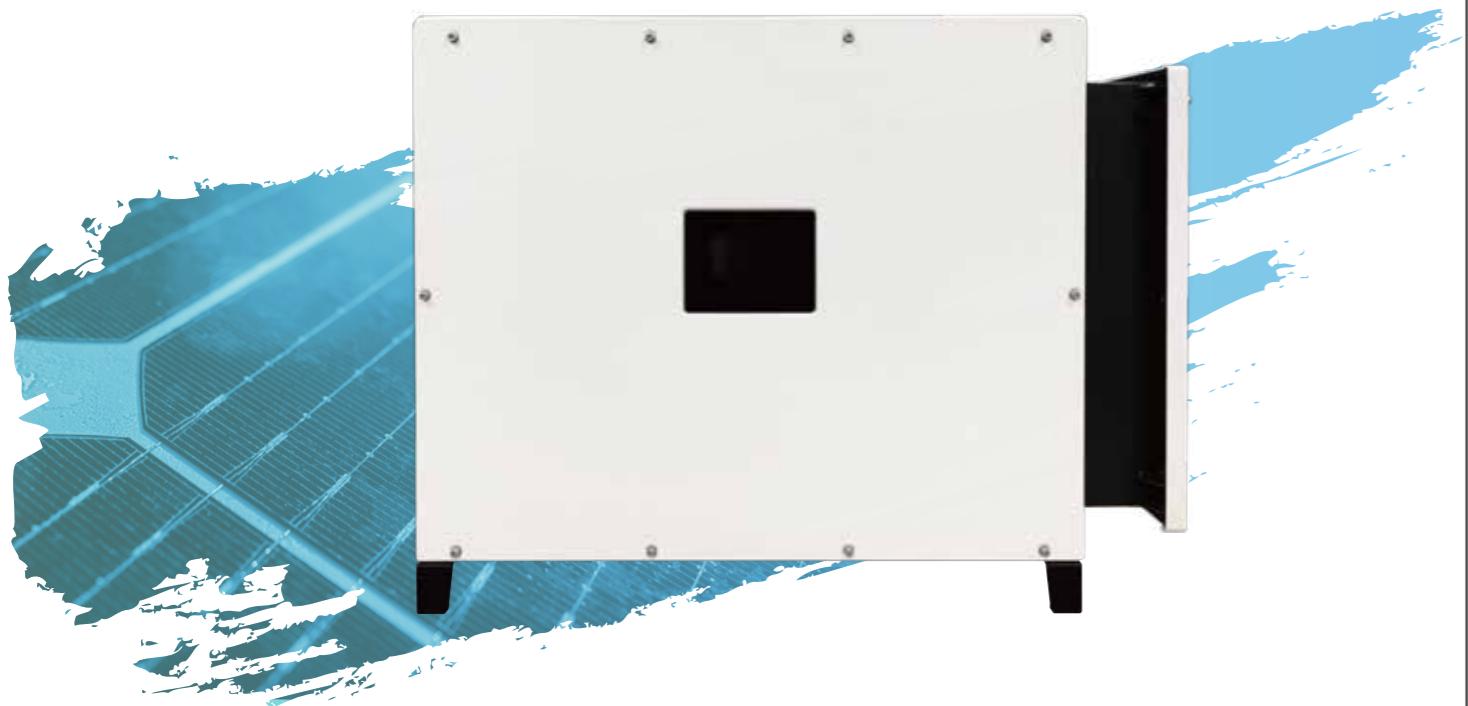
- String level I/V detect(Optional)
- Remote configuration and upgrade
- Supports export control

Model	SE 50KTL	SE 60KTL
Efficiency		
Max. Efficiency	99.0%	99.0%
European Efficiency	98.5%	98.5%
Input(PV)		
Max. Input Voltage	1100V	
Max. PV configuration (STC)	150%	
Rated Input Voltage	620V	
Max. Input Current	130A (39A/39A/26A/26A)	156A (39A/39A/39A/39A)
Max. Short Circuit Current	150A (45A/45A/30A/30A)	180A (45A/45A/45A/45A)
Start Input Voltage	250V	
MPPT Operating Voltage Range	200V-1000V	
Max. Number of PV Strings	10 (3/3/2/2)	12 (3/3/3/3)
No. of MPPTs	4	
Output(Grid)		
Rated AC Active Power	50,000W	60,000W
Max. AC Apparent Power	55,000VA	66,000VA
Max. AC Active Power (PF=1)	55,000W	66,000W
Max. AC Output Current	3*76A	3*92A
Rated AC Voltage	380V/400V, 3W+N+PE	
AC Voltage Range①	277V-520V (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 Leading - 0.8Lagging)	
Protection		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	DC Type II / AC Type II	
Insulation detection	Support	
Leakage current protection	Support	
General		
Topology	Transformerless	
IP Rating	IP65	
Night Self Consumption	<1W	
Cooling	Fan cooling	
Operating Temperature Range	-25°C-60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<62dB	
Dimensions (W*H*D)	855mm*555mm*275mm	
Weight	73Kg	74Kg
HMI & COM		
Display	Wireless & APP+LED, LCD (Optional)	
Communication	RS485, WiFi / GPRS / 4G / LAN (Optional)	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116	
Warranty	5 Years	

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

THREE PHASE & MULTIPLE MPPT

SE 110KTL-M3/125KTL-MH3



SUPERIOR EFFICIENCY

- Maximum efficiency 98.8%
- Compatible with high power modules (500W/600W+)
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Integrated type II DC/AC SPD, AFCI detection optional
- IP66 waterproof and dustproof, C5 anti-corrosion
- High quality components use



INTELLIGENT MAINTENANCE

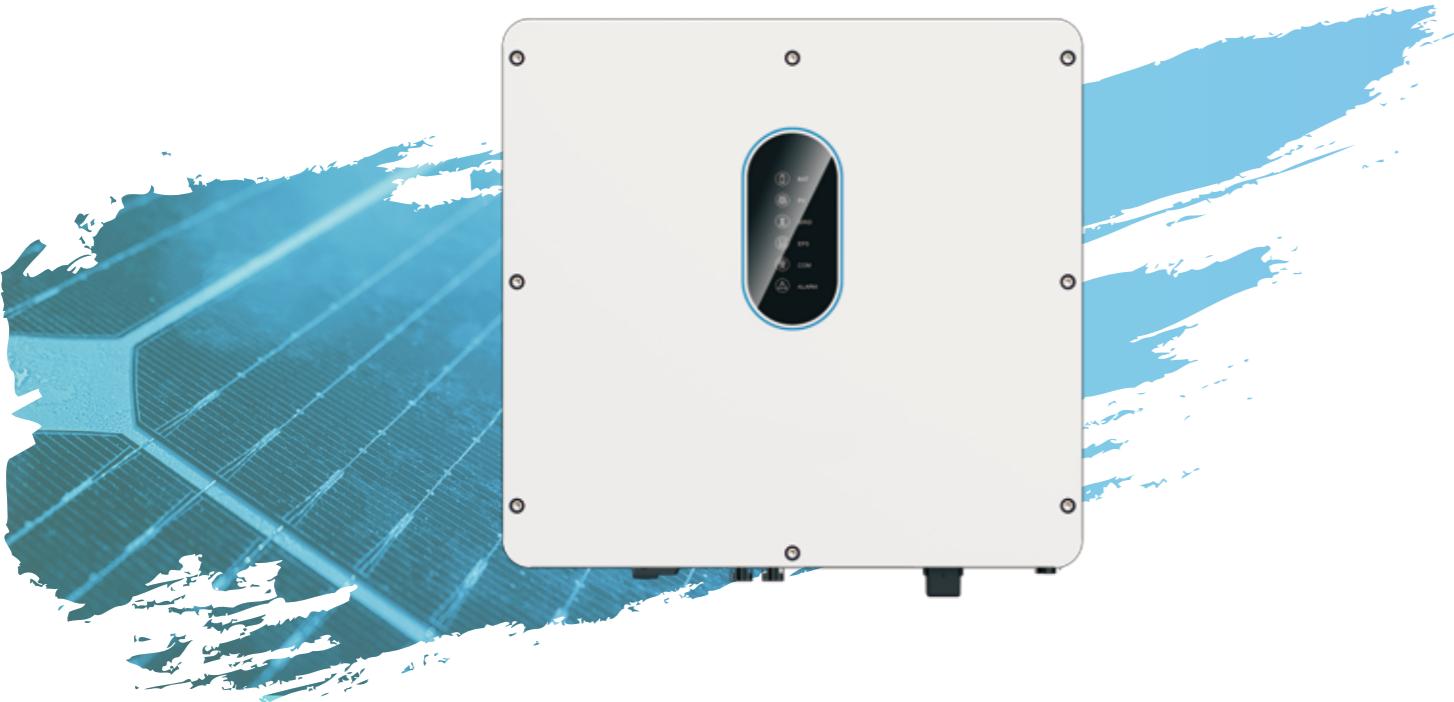
- String level I/V detect(Optional)
- Remote configuration and upgrade
- Supports export control

Model	SE 110KTL-M3	SE 125KTL-MH3
Efficiency		
Max. Efficiency	98.6%	98.8%
European Efficiency	98.2%	98.4%
Input(PV)		
Max. Input Voltage	1100V	
Max. PV configuration	150%	
Rated Input Voltage	620V	
Max. Input Current	6*32A+3*40A	
Start Input Voltage/ Min. Operating Voltage	250V/200V	
MPPT Operating Voltage Range	200V-1000V	
Max. Number of PV Strings	18 (9*2)	
No. of MPPTs	9	
Output(Grid)		
Rated AC Active Power	110,000W	125,000W
Max. AC Apparent Power	121,000VA	137,500VA
Max. AC Active Power (PF=1)	121,000W	137,500W
Max. AC Output Current	3*185.9A	3*165.5A
Rated AC Voltage	400V, 3W+N+PE	480V, 3W+PE
AC Voltage Range*	277V-520V (Adjustable)	300V-550V (Adjustable)
Rated Grid Frequency	50Hz/60Hz	
Grid Frequency Range**	45Hz-55Hz / 55Hz-65Hz (Adjustable)	
THDI	<3% (Rated Power)	
DC Current Injection	<0.5%In	
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)	
Protection		
DC switch	Support	
Anti-islanding protection	Support	
AC overcurrent protection	Support	
AC short circuit protection	Support	
DC reverse connection	Support	
Surge Arrester	DC Type II / AC Type II	
Insulation detection	Support	
Leakage current protection	Support	
AFCI	Optional	
PID Recovery	Optional	
PV String monitoring	Optional	
Night load consumption monitoring	Optional	
General		
Topology	Transformerless	
IP Rating	IP66	
Night Self Consumption	<10W	
Cooling	Fan cooling	
Operating Temperature Range	-25°C-60°C	
Relative Humidity Range	0-100%	
Max. Operating Altitude	4000m	
Noise	<75dB	
Dimensions (W*H*D)	670mm*850mm*356mm	
Weight	85Kg	
HMI & COM		
Display	Wireless & APP +LED, LCD (Optional)	
Communication	RS 485, Optional: WiFi / GPRS / 4G / LAN	
Certification		
Safety	IEC62109-1, IEC62109-2	
Grid Code	VDE-AR-N 4105, VDE-AR-N 4110, EN 50549-1/-2, CEI 0-21, UNE 206006/206007-1, UNE 217001	
Warranty	5 Years	

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

SINGLE PHASE AC COUPLED INVERTER

SE 4.6/5/6KAC



HIGH YIELD

- Max Charge/Discharge efficiency 94%
- Convenient to retrofit existing grid-connected systems increase the proportion of spontaneous use



HIGH RELIABILITY

- With BMS system to ensure high battery life
- Natural cooling design



INTELLIGENT MAINTENANCE

- Compatible with lead-acid batteries and lithium battery energy storage systems
- Remote configuration and upgrade

Model	SE 4K6AC	SE 5KAC	SE 6KAC
Efficiency			
Max.efficiency (Max. charge/discharge)		94.0%	
Input (BAT)			
Compatible battery type		Lithium-ion/Lead-acid	
Nominal battery voltage (V)	48		
Battery voltage range (V)	40-60		
Max. charge/discharge current (A)	100/100	100/100	120/120
Max. charge/discharge power (W)	5000/5000	5000/5000	6000/6000
Lithium battery charge curve		Self-adaption to BMS	
Output (Grid)			
Nominal AC output power (W)	4600	5000	6000
Max. AC output apparent power (VA)	4600	5500	6000
Max.AC output power (PF=1) (W)	4600	5500	6000
Max. AC output current (A)	22	25	27.2
Rated AC voltage (V)		220	
AC voltage range (V)		150-300 (adjustable)	
Rated grid frequency (Hz)		50/60	
AC frequency range (Hz)		45-55/55-65 (adjustable)	
Grid connection		single phase	
Power factor		> 0.99 @rated power (adjustable 0.8 LG - 0.8 LD)	
THDI		<3%	
Output (Back up)			
Nominal output voltage (V)		230	
Nominal output frequency (Hz)		50/60	
Nominal output power (W)	4600	5000	5000
Nominal output current (A)	20	21.7	21.7
Transfer time (ms)		10 (typ), 20 (max)	
THDV		<3% @100% R Load	
Protection			
Protection category		Class I	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
Surge Arrester		AC Type III	
Leakage current protection		Support	
AC overvoltage category		III	
General			
Max. operation altitude (m)		4000	
Noise emission (dB)		<35	
Ingress protection degree		IP65	
Operating temperature range (°C)		-25~60	
Relative humidity (%)		0~100	
Cooling concept		Natural Cooling	
Mounting		Wall bracket	
Dimensions (W*H*D)		515mm*450mm*175mm	
Weight		20Kg	
Battery connection way		Dedicated DC connector	
AC connection way (grid & back up)		Dedicated AC connector	
HMI & COM			
Display	LED+APP		
Communication interface	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: WiFi/GPRS/Ethernet		
Certification			
Grid	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1		
Safety	IEC62040-1, IEC62477-1		
Warranty (years)	5/10 (optional)		

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

SINGLE PHASE HYBRID INVERTER

SE 4.6/5/6KHB-60, SE 4.6/5/6KHB-120



HIGH YIELD

- Max efficiency 97.3%, Battery efficiency 94%
- Max. Charge/Discharge Current 120A
- Reasonable energy control to increase the proportion of spontaneous use



HIGH RELIABILITY

- With BMS system to ensure high battery life
- Natural cooling design



INTELLIGENT MAINTENANCE

- Compatible with lead-acid batteries and lithium battery energy storage systems
- Remote configuration and upgrade

Model	SE 4K6HB-60	SE 4K6HB-120	SE 5KHB-60	SE 5KHB-120	SE 6KHB-60	SE 6KHB-120
Efficiency					97.3%	
Max.efficiency (PV to AC)					94.0%	
Input (PV)						
MAX PVPower (W)					9000	
Max PV voltage (V)					550	
Max input current (input A/input B) (A)					15/15	
Max short current (input A/input B) (A)					20/20	
Start operating voltage (V)					90	
MPPT voltage range (V)					70-520	
No.of MPPT trackers					2	
String per MPP tracker					1	
Input (BAT)						
Compatible battery type					Lithium-ion/Lead-acid	
Nominal battery voltage (V)					48	
Battery voltage range (V)					40-60	
Max. charge/discharge current (A)	60/60	120/120	60/60	120/120	60/60	120/120
Max. charge/discharge power (W)	3000/3000	5000/5000	3000/3000	5000/5000	3000/3000	6000/6000
Lithium battery charge curve					Self-adaption to BMS	
Output (Grid)						
Nominal AC output power (W)	4600	4600	5000	5000	6000	6000
Max. AC output apparent power (VA)	4600	4600	5500	5500	6000	6000
Max.AC output power (PF=1) (W)	4600	4600	5500	5500	6000	6000
Max. AC output current (A)	22	22	25	25	27.2	27.2
Rated AC voltage (V)			220			
AC voltage range (V)			150-300 (adjustable)			
Rated grid frequency (Hz)			50/60			
AC frequency range (Hz)			45-55/55-65 (adjustable)			
Grid connection					single phase	
Power factor					> 0.99 @rated power (adjustable 0.8 LG - 0.8 LD)	
THDI					<3%	
Output (Back up)						
Nominal output voltage (V)			230			
Nominal output frequency (Hz)			50/60			
Nominal output power (W)	3000	4600	3000	5000	3000	6000
Nominal output current (A)	13	20	13	21.7	13	26
Transfer time (ms)			10(typ) / 20(max)			
THDV					<3% @100% R Load	
Protection						
Protection category					Class I	
DC switch					Support	
Anti-islanding protection					Support	
AC overcurrent protection					Support	
AC short circuit protection					Support	
DC reverse connection					Support	
Surge Arrester					DC Type III, AC Type III	
Insulation detection					Support	
Leakage current protection					Support	
PV overvoltage category					II	
AC overvoltage category					III	
General						
Max. operation altitude (m)					4000	
Noise emission (dB)					<35	
Ingress protection degree					IP65	
Operating temperature range (°C)					-25~60	
Relative humidity (%)					0~100	
Cooling concept					Natural Cooling	
Mounting					Wall bracket	
Dimensions (W*H*D)					515mm*450mm*175mm	
Weight	20Kg	25Kg	20Kg	25Kg	20Kg	25Kg
PV connection way					MC4/H4	
Battery connection way					Dedicated DC connector	
AC connection way (grid & back up)					Dedicated AC connector	
HMI & COM						
Display					LED+APP	
Communication interface					RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: WiFi/GPRS/Ethernet	
Certification						
Grid					VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1	
Safety					IEC62109-1&2, IEC62040-1, IEC62477-1	
Warranty (years)					5/10 (optional)	

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

THREE PHASE HYBRID INVERTER

SE 5/6/8/10K HB-T



HIGH YIELD

- Max efficiency 98.4%, Battery efficiency 98%
- Max. Charge/Discharge Current 50A
- Reasonable energy control to increase the proportion of spontaneous use



HIGH RELIABILITY

- With BMS system to ensure high battery life
- Natural cooling design



INTELLIGENT MAINTENANCE

- Compatible with lead-acid batteries and lithium battery energy storage systems
- Remote configuration and upgrade

Model	SE 5K HB-T	SE 6K HB-T	SE 8K HB-T	SE 10K HB-T
Efficiency				
Max.efficiency (PV to AC)	98.2%	98.2%	98.4%	98.4%
Eur.efficiency (PV to AC)	97.2%	97.2%	97.9%	97.9%
Max.efficiency (BAT)			98.0%	
Input (PV)				
MAX PVPower (W)	8000	9000	12000	15000
Max PV voltage (V)			1000	
Max input current (input A/input B) (A)	15/22	15/22	30/22	30/22
Max short current (input A/input B) (A)	20/30		40/30	
MPPT voltage range (V)			160-950	
No.of MPPT trackers			2	
String per MPP tracker	1+1			2+1
Input (BAT)				
Compatible battery type			Lithium-ion/Lead-acid	
Nominal battery voltage (V)			200-600	
Battery voltage range (V)			150-600	
Max. charge/discharge current (A)	25/25	25/25	2*25/2*25	2*25/2*25
Max. charge/discharge power (W)	8000/5200	9000/6300	12000/10500	15000/10500
Lithium battery charge curve			Self-adaption to BMS	
Output (Grid)				
Nominal AC output power (W)	5000	6000	8000	10000
Max. AC output apparent power (VA)	5500	6600	8800	10000
Max.AC output power (PF=1) (W)	5500	6600	8800	10000
Max. AC output current (A)	3*8.3	3*10	3*13.3	3*15.2
Rated AC voltage (V)			380/400	
AC voltage range (V)			277-520 (adjustable)	
Rated grid frequency (Hz)			50/60	
AC frequency range (Hz)			45-55/55-65 (adjustable)	
Grid connection			Three phase	
Power factor			>0.99 @ rated power (adjustable 0.8 LG - 0.8 LD)	
THDI			<3%	
Output (Back up)				
Nominal output voltage (V)			380/400V	
Nominal output frequency (Hz)			50/60	
Nominal output power (W)	5000	6000	8000	10000
Nominal output current (A)	3*7.6	3*9.1	3*12.2	3*15.2
Transfer time (ms)			10 (typ) / 20 (max)	
THDV			<3 (R Load), 5 (RCD Load)	
Protection				
Anti-islanding protection			Support	
AC overcurrent protection			Support	
AC short circuit protection			Support	
AC over-voltage protection			Support	
Surge Arrester			DC Type2, AC Type2	
Insulation detection			Support	
GFCI			Support	
AFCI			Optional	
RSD			Optional	
General				
Max. operation altitude (m)			4000	
Noise emission (dB)			30	
Ingress protection degree			IP65	
Operating temperature range (°C)			-25~45	
Relative humidity (%)			0~100	
Cooling concept			Natural Cooling	
Mounting			Wall bracket	
Dimensions (W*H*D)			450mm*550mm*175mm	
Weight (kg)	20			25
PV connection way			MC4 / H4	
Battery connection way			Dedicated DC connector	
HMI & COM				
Display			LED+APP (Bluetooth)	
Communication interface			BMS (CAN/RS485), WiFi/GPRS/4G/Ethernet (optional), DI (DRM/RCR) / Meter (RS485), 1*DO, USB (Firmware upgrade)	
Certification				
Grid			IEC 61727, IEC 62116, EN 50549-1, VDE 4105, AS 4777, CEI 0-21, G98	
Safety			IEC62109-1&2, IEC62040-1, IEC62477-1	
Warranty (years)			5/10 (optional)	

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

SINGLE PHASE HYBRID INVERTER

SE 6/8/10KHB-220/UL



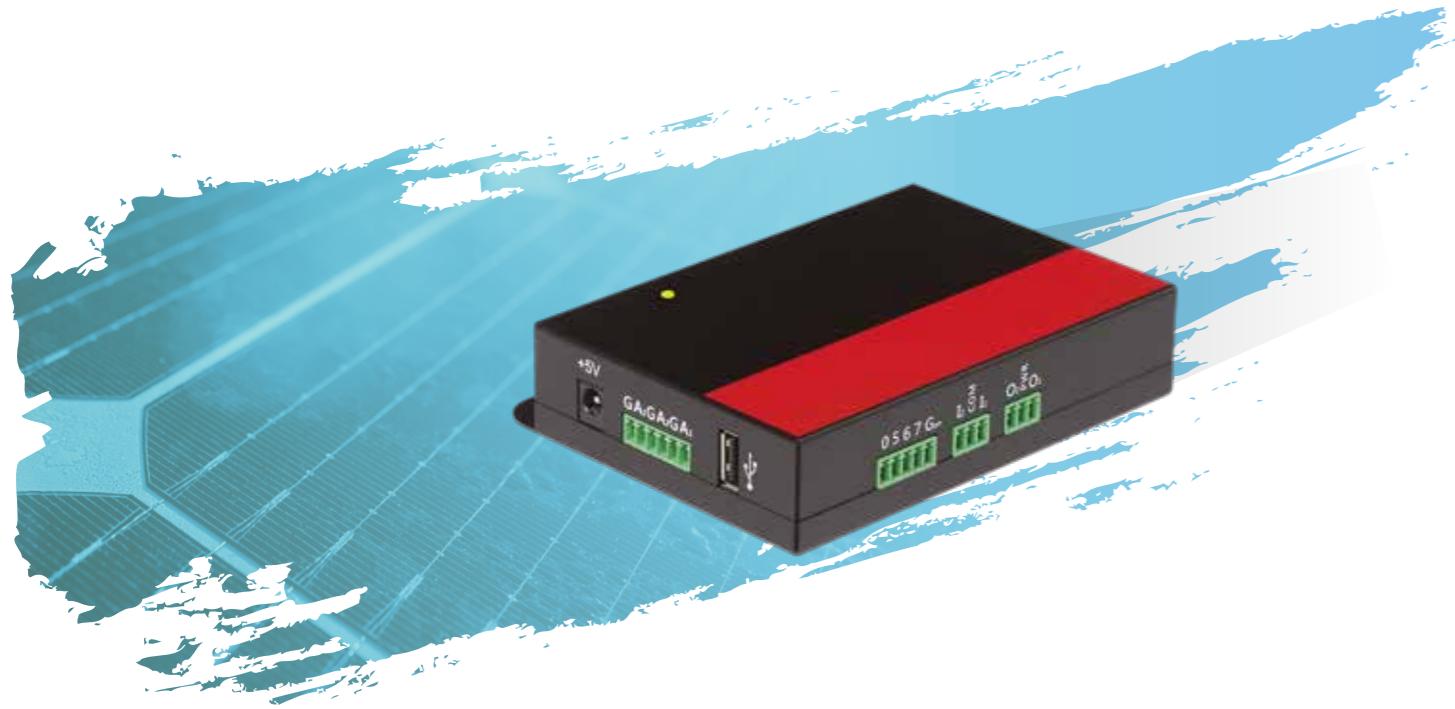
FEATURES

- » Max efficiency 98.0%, CEC efficiency 97.5%
- » Max. PV Power 15000W
- » String current 22A, compatible with high power modules
- » Compatible with lead-acid batteries and lithium battery energy storage systems
- » Spilt phase out available for 100% back up power
- » Advanced parallel, up to 9Pcs
- » Remote configuration and upgrade

Model	SE 6KHB-130/UL	SE 8KHB-180/UL	SE 10KHB-200/UL
Efficiency			
Max.efficiency (PV to AC)		98.0%	
Max.efficiency (BAT to AC)		94.5%	
Input (PV)			
MAX PVPower (W)	9000	12000	15000
Max PV voltage (V)		600	
Max input current (input A/input B) (A)	30/20		30/20/20
Max short current (input A/input B) (A)	40/30		40/30/30
Start operating voltage (V)		90	
MPPT voltage range @full load (V)		70-550	
No.of MPPT trackers	2	3	3
String per MPP tracker		2	
Input (BAT)			
Compatible battery type		Lithium-ion/Lead-acid	
Nominal battery voltage (V)		48	
Battery voltage range (V)		40-60	
Max. charge/discharge current (A)	130/130	180/180	210/210
Max. charge/discharge power (W)	6000/6000	8000/8000	10000/10000
Lithium battery charge curve		Self-adaption to BMS	
Output (Grid)			
Nominal AC output power (W)	6000	8000	10000
Max. AC output apparent power (VA)	6600	8800	10000
Max.AC output power (PF=1) (W)	6600	8800	10000
Max. AC output current (A)	27.5	36.6	45.4
Rated AC voltage (V)		120/240V (Split phase) / 230V (Single phase) / 208V (2/3 phase)	
AC voltage range (V)		150-300 (adjustable for 240V system)	
Rated gird frequency (Hz)		60	
AC frequency range (Hz)		55-65 (adjustable)	
Power factor		> 0.99 @rated power (adjustable 0.8 LG - 0.8 LD)	
THDI		<3%	
Output (Back up)			
Nominal output voltage (V)		120/240V (Split phase) / 230V (Single phase) / 208V (2/3 phase)	
Nominal output frequency (Hz)		60	
Nominal output power (W)	6000	8000	10000
Nominal output current (A)	27.2	27.2	45.4
Transfer time (ms)		10 (typ) / 20 (max)	
THDV		<3% @100% R Load	
Protection			
Protection category		Class I	
DC switch		Support	
Anti-islanding protection		Support	
AC overcurrent protection		Support	
AC short circuit protection		Support	
DC reverse connection		Support	
Surge Arrester		DC Type II, AC Type II	
Insulation detection		Support	
Leakage current protection		Support	
PV overvoltage category		II	
AC overvoltage category		III	
AFCI		Y	
RSD		Y (MLRSD Sunspec or Tigo Transmitter)	
General			
Max. operation altitude (m)		4000	
Noise emission (dB)(Typical)		<40	
Ingress protection degree		IP65	
Operating temperature range (°C)		-25~60	
Relative humidity (%)		0~100	
Cooling concept		Fan Cooling	
Mounting		Wall bracket	
Dimensions (W*H*D)		420mm*600mm*175mm	
Weight (kg)	25		30
HMI & COM			
Display		LED+APP	
Communication interface		RS485/CAN (for BMS), RS485, USB, DR/RS485 (for Meter), Optional: WiFi/GPRS/Ethernet	
Certification			
Grid		IEEE 1547	
Safety		UL 1741/CSA C22.2/UL 1699B	
Warranty (years)		5/10 (optional)	

Remarks: • The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.

DATA LOGGER V1000+



- Built-in Web Server, supporting LAN monitoring
- 12 Months data storage
- Automatic network-clock synchronization
- RS485 Interface for the Connection of Inverters
- Standard RJ45 Path Cable
- Supports export control

Model	V1000+
Connection	Inverter: RS485 Router: RJ45
Access Number	40pcs
Transmission maximum distance	1200m
Display	LED
Input	
Input Voltage	Input: AC 90V-250V 50/60Hz Output: DC 5V
Static Current Consumption	1A
General	
Operating temperature	-25°C~55°C
Humidity	10%~95% relative humidity, no condensation
IP Rating	IP20
Dimension (L*W*H)	118mm*78mm*29mm
Certification	
Safety	FCC, CE, ROHS

WIFI Communication Module PV WIFI-R

- Plug and play, quick and convenient
- Preferred monitoring solution for residential us



Model	PV WIFI-R
Connection	TTL
Standards	802.11 b/g/n
Transmission maximum distance	100m Unobstructed environment
Setting	APP/WEB
Input	
Input Voltage	DC 5V
Static Power Consumption	<1.6W
General	
Operating temperature	-25°C~60°C
Humidity	0%~100% relative humidity, no condensation
IP Rating	IP65
Dimension (L*W*H)	71.4mm*71mm*38mm
Certification	
Safety	FCC, CE, ROHS

GPRS Communication Module PV GPRS-R

- Plug and play, quick and convenient
- Mobile internet monitoring, best suited for rural and remote areas



Model	PV GPRS-R
Connection	TTL
Standards	GSM/GPRS
Transmission maximum distance	---
Setting	Plug and Play
Input	
Input Voltage	DC 5V
Static Power Consumption	<2W
General	
Operating temperature	-25°C~60°C
Humidity	0%~100% relative humidity, no condensation
IP Rating	IP65
Dimension (L*W*H)	71.4mm*71mm*38mm
Certification	
Safety	FCC, CE, ROHS

4G Communication Module PV 4G-R

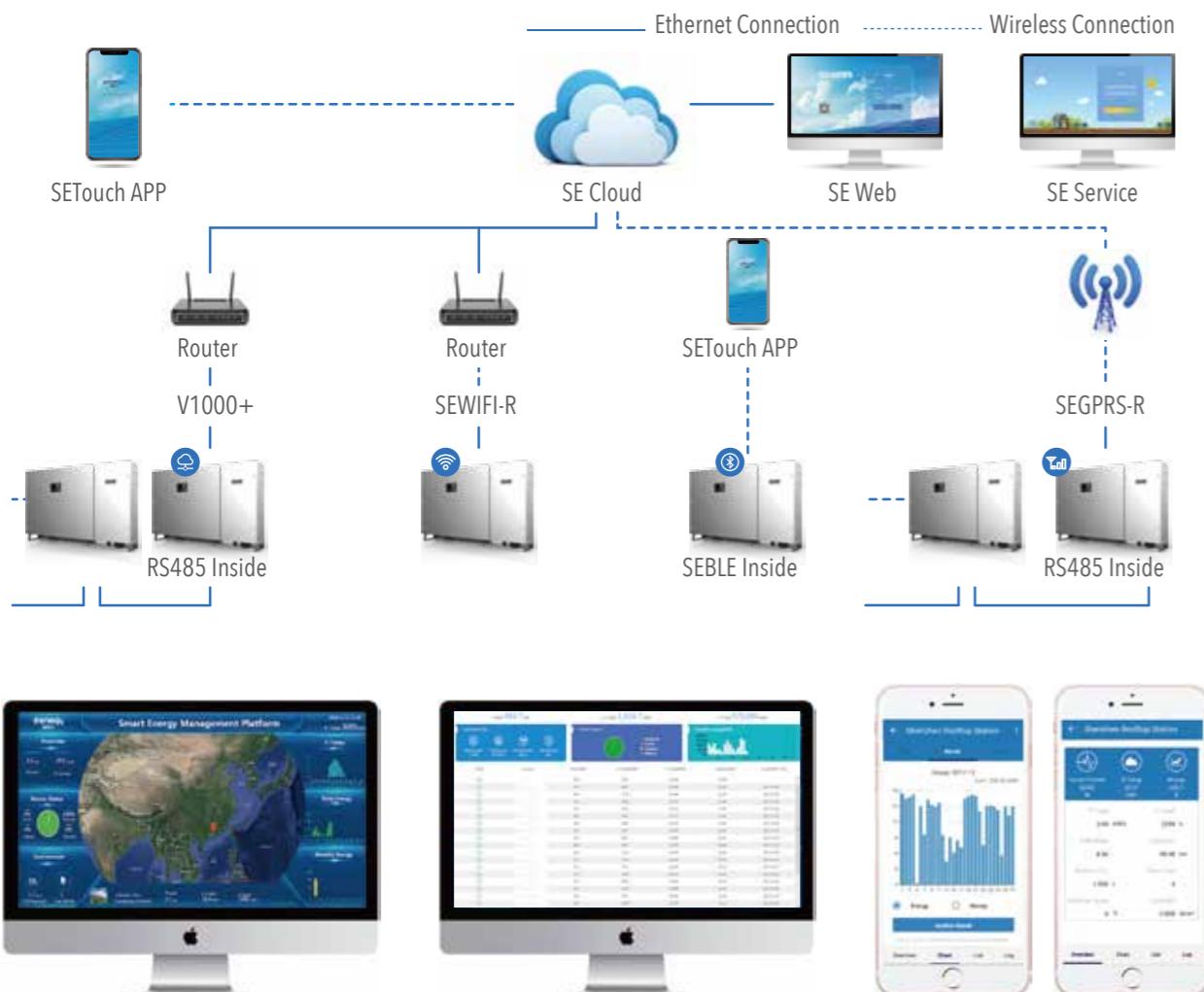
- Plug and play, quick and convenient
- Mobile internet monitoring, best suited for rural and remote areas



Model	PV 4G-R
Connection	TTL
Standards	FDD/TDD - LTE
Transmission maximum distance	---
Setting	Plug and Play
Input	
Input Voltage	DC 5V
Static Power Consumption	<3.5W
General	
Operating temperature	-25°C~60°C
Humidity	0%~90% relative humidity, no condensation
IP Rating	IP65
Dimension (L*W*H)	122.8mm*79mm*34mm
Certification	
Safety	FCC, CE, ROHS

SMART SOLAR CLOUD

- For Residential/Commercial/Storage application
- Android/iOS APP comply with latest Android/iOS OS system
- Cloud service based in Europe, America, Singapore and China
- String Monitoring
- Intelligent data analysis



PRESALES SUPPORT



TAILORED
SOLUTIONS



SPECIALIZED
PRODUCT CONSULTING



ONE-ON-ONE
APPLICATION COACHING



SYSTEMATIC
PRODUCT TRAINING

AFTER SALE SERVICE



SUFFICIENT
WARRANTY

- 63 months standard warranty for inverters Up to \$10M Product Liability
- Insurance for inverters shipped



REPLACEMENT
SERVICE

- Spare units provided for quick replacement of the failure unit
- Remaining warranty period of defective unit transferred automatically



RESPONSIVENESS

- Quick response to any quality issues and service request from partners
- Expertise on various field applications to help problem solving

APPLICATION REFERENCES

📍 FOSHAN, CHINA
4.2MW



📍 SHANTOU, CHINA
2MW



📍 SOUTH AMERICA
80KW



📍 VIETNAM
15KW



📍 HUNAN, CHINA
6MW



📍 SHENZHEN, CHINA
1.1MW



📍 BUDAI TOWN, TAIWAN
4MW



📍 CHIAYI COUNTY, TAIWAN
20MW