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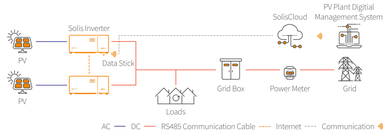
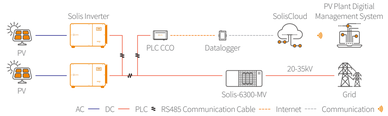
SOLIS SOLUTIONS

Commercial & Industrial Solar PV Solution



Utility Scale Solar PV Solution



With a rich product range of high power inverters from 25kW-255kW, you can be assured there is a Solis product suitable for your next project. No matter how large or complex your design is, Solis provides you with adaptable products for the best C&I and utility scale solar PV solutions.

The largest inverter in the C&I range has a power output of 110kW, and maximum DC input voltage of 1100V. The magnificent 255kW utility scale inverter can work with a maximum D input voltage of 1500V. High-voltage and high-power density inverters effectively reduce the number of devices and amount of cable required on site which reduces the initial investment cost, and facilitates simpler installation and efficient ongoing maintenance.

Solis inverters perform well in a variety of harsh and complex environments ensuring consistent and reliable energy generation.

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solis

Solis - Global Leading String Inverter

C&I and Utility Scale PV Solutions

COMPANY PROFILE

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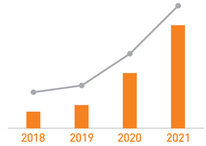
R&D expenditure has increased year by year



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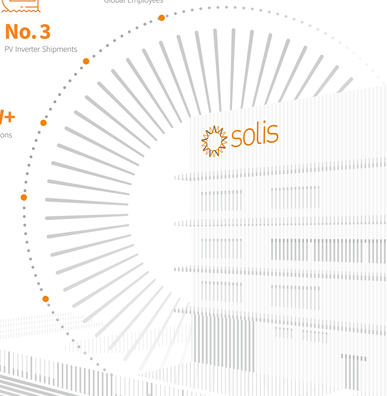
—— IHS

4000+
Global Employees

No. 3
PV Inverter Shipments

40GW+
Global Installations

40GW+
Manufacturing Capacity



Solis C & I and Utility Scale Inverter Series

S5-GC(25-50)K-AU

S5-GC(50-70)K

Solis-(80-110)K-5G-PRO

Solis-(215-255)K-EHV-5G

Models	25K	30K	33K	36K	40K	40K-HV	50K-HV	50K	60K	60K-HV	70K-HV	80K	100K	110K	215K-PLUS	250K	250K-PLUS	255K	255K-PLUS
Input DC																			
Recommended max. PV power	33.3 kW	39.9 kW	43.9 kW	47.9 kW	53.2 kW	53.2 kW	66.5 kW	66.5 kW	79.8 kW	79.8 kW	93.1 kW	126 kW	150 kW	165 kW	322.5 kW	375 kW	375 kW	382.5 kW	382.5 kW
Max. input voltage				1100 V					1100 V				1100 V				1500 V		
Rated voltage				600 V				600 V		720 V			600 V				1080 V		
Start-up voltage				180 V					195 V				180 V				500 V		
MPPT voltage range				200-1000 V					180-1000 V				160-1000 V				480-1500 V		
Max. input current				4*32 A				5*32 A		6*32 A		36 A / 32 A / 36 A / 32 A /36 A / 32A	36 A / 32 A / 36 A / 32 A / 36 A / 32 A / 36 A / 32 A		9*30 A	14*26 A	14*26 A	14*26 A	12*30 A
Max. short circuit current				4*40 A				5*40 A		6*40 A		6*50 A	8*50 A		9*50 A	14*40 A	12*50 A	14*40 A	12*50 A
MPPT number/Max. input strings number				4/8				5/10		6/12		6/12	8/16		9/18	14/28	12/24	14/28	12/24
Output AC																			
Rated output power	25 kW	30 kW	33 kW	36 kW	40 kW	40 kW	50 kW	50 kW	60 kW	60 kW	70 kW	80 kW	100 kW	110 kW	215 kVA @ 30°C / 205 kVA @ 40°C / 195 kVA @ 50°C	250 kVA @ 30°C / 235 kVA @ 40°C / 220 kVA @ 50°C		255 kVA @ 30°C / 235 kVA @40°C / 220 kVA @ 50°C	
Rated apparent output power	25 kVA	30 kVA	33 kVA	36 kVA	40 kVA	40 kVA	50 kVA	50 kVA	60 kVA	60 kVA	70 kVA	80 kVA	100 kVA	110 kVA	215 kVA	250 kVA		255 kVA	
Max. apparent output power	25 kVA	30 kVA	33 kVA	36 kVA	40 kVA	40 kVA	50 kVA	50 kVA	60 kVA	60 kVA	70 kVA	80 kVA	100 kVA	110 kVA	215 kVA	250 kVA		255 kVA	
Max. output power	25 kW	30 kW	33 kW	36 kW	40 kW	40 kW	50 kW	50 kW	60 kW	60 kW	70 kW	80 kW	100 kW	110 kW	215 kW	250 kW		255 kW	
Rated grid voltage			3/N/PE, 230 V / 400 V				3/PE, 480 V		3/N/PE, 230 V / 400 V		3/PE, 480 V		3/N/PE, 230 V / 400 V				3/PE, 800 V		
Rated grid frequency				50 Hz					50 Hz				50 Hz				50 Hz		
Rated grid output current	41.8 A	50.2 A	55.1 A	60.2 A	66.9 A	53.0 A	66.2 A	83.6 A	100.3 A	79.4 A	92.6 A	115.5 A	144.3 A	158.8 A	155.2 A	180.4 A		184.0 A	
Max. output current	41.8 A	50.2 A	55.1 A	60.2 A	66.9 A	53.0 A	66.2 A	83.6 A	100.3 A	79.4 A	92.6 A	115.5 A	144.3 A	158.8 A	155.2 A	180.4 A		184.0 A	
Power factor				>0.99 (0.8 leading - 0.8 lagging)					>0.99 (0.8 leading - 0.8 lagging)				>0.99 (0.8 leading - 0.8 lagging)				>0.99 (0.8 leading - 0.8 lagging)		
THDi				<3%					<3%				<3%				<3%		
Efficiency																			
Max. efficiency	98.5%		98.6%	98.7%		98.8%			98.7%				98.5%				99.0%		
EU efficiency	98.1%		98.2%	98.3%		98.4%		98.3%		98.4%			98.0%		98.8%	98.7%	98.8%	98.7%	98.8%
Protection																			
DC reverse-polarity protection				Yes					Yes				Yes				Yes		
Short circuit protection				Yes					Yes				Yes				Yes		
Output over current protection				Yes					Yes				Yes				Yes		
Surge protection				DC Type II / AC Type II					DC Type II / AC Type II				DC Type II / AC Type II				DC Type II / AC Type II		
Grid monitoring				Yes					Yes				Yes				Yes		
Anti-islanding protection				Yes					Yes				yes				Yes		
Temperature protection				Yes					Yes				Yes				Yes		
Strings monitoring				Yes					Yes				Yes				Yes		
I/V Curve scanning				Yes					Yes				Yes				Yes		
Integrated AFCI (DC arc-fault circuit protection)				Yes [1]					Yes [1]				Yes [1]				/		
Integrated PID recovery				Optional					Optional [2]				Optional				Yes		
Integrated DC switch				Yes (PV2 Switch)					Yes (PV2 Switch)				Yes				Yes		
Integrated AC switch				/					/				Optional				/		
General Data																			
Dimensions (W*H*D)				647*629*252 mm					691*578*338 mm				1183*585*363 mm				1125*770*384 mm		
Weight				37 kg					54.5 kg			77 kg	93 kg		109 kg		113 kg		
Topology				Transformerless					Transformerless				Transformerless				Transformerless		
Self-consumption (night)				<1 W					<1 W				<2 W				<2 W		
Operating ambient temperature range				-25 ~ +60°C					-25 ~ +60°C				-30 ~ +60°C				-30 ~ +60°C		
Relative humidity				0-100%					0-100%				0-100%				0-100%		
Ingress protection				IP65					IP66				IP66				IP66		
Cooling concept				Intelligent redundant fan-cooling					Intelligent redundant fan-cooling				Intelligent redundant fan-cooling				Intelligent redundant fan-cooling		
Max. operation altitude				4000 m					4000 m				4000 m				4000 m		
Grid connection standard				AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530					AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530				AS/NZS 4777.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530				AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530		
Safety/EMC standard				IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4					IEC 62109-1/-2, IEC 61000-6-2/-4				IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4				IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4		
Features																			
DC connection				MC4 connector					MC4 connector				MC4 connector				MC4 connector		
AC connection				OT terminal					OT terminal (max. 70 mm²)				OT terminal (max. 240 mm²)				OT terminal (max. 300 mm²)		
Display				LCD					LCD, Capacitive touch buttons				LCD				LCD		
Communication				RS485, Optional: Wi-Fi, GPRS					RS485, USB, Optional: Wi-Fi, GPRS				RS485, Optional: Wi-Fi, GPRS, PLC				RS485, Optional: PLC		
Country of manufacture				China					China				China				China		

(1) Activation required. (2) Due to the similar functional logic, when the night time PID-Recovery function is integrated, the night time var compensation function can not be used. Also, the negative grounding option is not available for inverters with night time PID-Recovery function.

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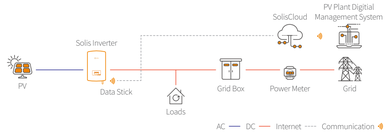
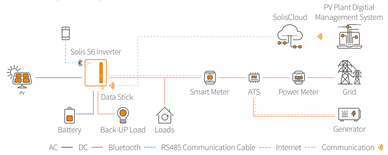
Residential Solar PV Solution



Residential Energy Storage Solution



Solis residential string inverters are cost-effective and efficient. They provide smarter green power solutions for homeowners with a variety of models and solutions to meet the needs of modern families.

The product portfolio includes a wide range of single-phase and small three-phase grid-connected string and energy storage inverters providing the best home clean energy solutions based on your specific needs.

Solis Residential inverters are small and lightweight, requiring only one person to install and maintain them. The overall design is sleek and modern with low noise, making them particularly suitable for home installation without impacting on day to day life.

Through PC or smart phone APP, you can connect to SolisCloud monitoring for smart, real-time energy management. Simple operation and convenient management.

CONTACT US

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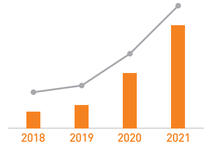

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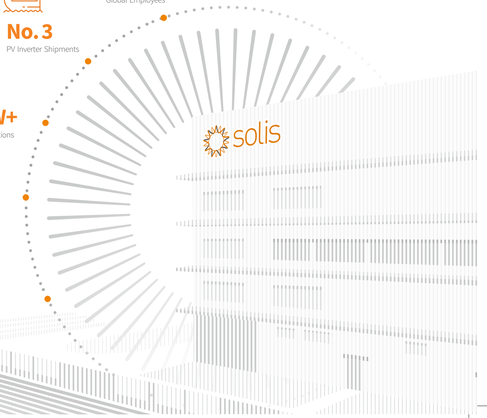

Solis Residential and Energy Storage Inverter Series

S5-GR1P(0.7-3)K-M

Models	0.7K	1K	1.5K	2K	2.5K	3K
Input DC						
Recommended max. PV power	0.93 kW	1.33 kW	2 kW	2.6 kW	3.33 kW	4 kW
Max. input voltage	600 V					
Rated voltage	200 V			330 V		
Start-up voltage	60 V			90 V		
MPPT voltage range	50-500 V			80-500 V		
Max. input current	14 A					
Max. short circuit current	22 A					
MPPT number/Max. input strings number	1/1					
Output AC						
Rated output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW
Rated apparent output power	0.7 kVA	1 kVA	1.5 kVA	2 kVA	2.5 kVA	3 kVA
Max. apparent output power	0.7 kVA	1 kVA	1.5 kVA	2 kVA	2.5 kVA	3 kVA
Max. output power	0.7 kW	1 kW	1.5 kW	2 kW	2.5 kW	3 kW
Rated grid voltage	1/N/PE, 230 V					
Rated grid frequency	50 Hz					
Rated grid output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A
Max. output current	4.4 A	5.2 A	8.1 A	10.5 A	13.3 A	15.7 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	<3%					
Efficiency						
Max. efficiency	96.6%		96.6%	97.1%	97.1%	
EU efficiency	95.3%		95.4%	96.6%	96.7%	
Protection						
DC reverse-polarity protection	Yes					
Short circuit protection	Yes					
Output over current protection	Yes					
Surge protection	Yes					
Grid monitoring	Yes					
Anti-islanding protection	Yes					
Temperature protection	Yes					
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]					
Integrated DC switch	Yes (PV2 Switch)					
General Data						
Dimensions (W*H*D)	310*373*160 mm					
Weight	7.4 kg				7.7 kg	
Topology	Transformerless					
Self-consumption (night)	<1 W					
Operating ambient temperature range	-25 ~ +60°C					
Relative humidity	0-100%					
Ingress protection	IP65					
Cooling concept	Natural convection					
Max. operation altitude	2000 m					
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530					
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4					
Features						
DC connection	MC4 connector					
AC connection	Quick connection plug					
Display	LCD					
Communication	RS485, Optional: Wi-Fi, GPRS					
Country of manufacture	China					

S6-GR1P(3-6)K-S

Models	3K	3.6K	4K	4.6K	5K	6K
Input DC						
Recommended max. PV power	4 kW	4.8 kW	5.3 kW	6.1 kW	6.7 kW	8 kW
Max. input voltage	550 V					
Rated voltage	330 V					
Start-up voltage	80 V					
MPPT voltage range	70-550 V					
Max. input current	16 A / 16 A					
Max. short circuit current	22 A / 22 A					
MPPT number/Max. input strings number	2/2					
Output AC						
Rated output power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW
Rated apparent output power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Max. apparent output power	3 kVA	3.6 kVA	4 kVA	4.6 kVA	5 kVA	6 kVA
Max. output power	3 kW	3.6 kW	4 kW	4.6 kW	5 kW	6 kW
Rated grid voltage	1/N/PE, 230 V					
Rated grid frequency	50 Hz					
Rated grid output current	13.0 A	15.7 A	17.4 A	20.0 A	21.7A	26.1 A
Max. output current	13.0 A	15.7 A	17.4 A	20.0 A	21.7A	26.1 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)					
THDi	<3%					
Efficiency						
Max. efficiency	97.3%		97.6%		97.7%	
EU efficiency	96.6%		97.1%		97.1%	
Protection						
DC reverse-polarity protection	Yes					
Short circuit protection	Yes					
Output over current protection	Yes					
Surge protection	Yes					
Grid monitoring	Yes					
Anti-islanding protection	Yes					
Temperature protection	Yes					
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]					
Integrated DC switch	Yes (PV2 Switch)					
General Data						
Dimensions (W*H*D)	330*371*161 mm					
Weight	8 kg		8.5 kg			
Topology	Transformerless					
Self-consumption (night)	<1 W					
Operating ambient temperature range	-25 ~ +60°C					
Relative humidity	0-100%					
Ingress protection	IP66					
Cooling concept	Natural convection					
Max. operation altitude	4000 m					
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530					
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-2/-3					
Features						
DC connection	MC4 connector					
AC connection	Quick connection plug					
Display	LED + APP					
Communication	RS485, Optional: Wi-Fi, GPRS					
Country of manufacture	China					

S6-GR1P(7-8)K2

Models	7K	8K
Input DC		
Recommended max. PV power	9.3 kW	10.6 kW
Max. input voltage	600 V	
Rated voltage	330 V	
Start-up voltage	90 V	
MPPT voltage range	90-520 V	
Max. input current	13.5 A / 27 A	
Max. short circuit current	19.5 A / 30 A	
MPPT number/Max. input strings number	2/3	
Output AC		
Rated output power	7 kW	8 kW
Rated apparent output power	7 kVA	8 kVA
Max. apparent output power	7 kVA	8 kVA
Max. output power	7 kW	8 kW
Rated grid voltage	1/N/PE, 230 V	
Rated grid frequency	50 Hz	
Rated grid output current	33.5 A	36.4 A
Max. output current	33.5 A	36.4 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)	
THDi	<3%	
Efficiency		
Max. efficiency	97.7%	
EU efficiency	96.8%	
Protection		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Surge protection	Yes	
Grid monitoring	Yes	
Anti-islanding protection	Yes	
Temperature protection	Yes	
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]	
Integrated DC switch	Yes (PV2 Switch)	
General Data		
Dimensions (W*H*D)	310*543*180 mm	
Weight	13 kg	
Topology	Transformerless	
Self-consumption (night)	<1 W	
Operating ambient temperature range	-25 ~ +60°C	
Relative humidity	0-100%	
Ingress protection	IP66	
Cooling concept	Natural convection	
Max. operation altitude	4000 m	
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530	
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4	
Features		
DC connection	MC4 connector	
AC connection	Quick connection plug	
Display	LCD	
Communication	RS485, Optional: Wi-Fi, GPRS	
Country of manufacture	China	

S5-GR1P(7-10)K

Models	7K	8K	9K	10K
Input DC				
Recommended max. PV power	9.3 kW	10.6 kW	12 kW	13.3 kW
Max. input voltage	600V			
Rated voltage	330V			
Start-up voltage	120V			
MPPT voltage range	100-500V			
Max. input current	14 A / 14 A / 14 A			
Max. short circuit current	22 A / 22 A / 22 A			
MPPT number/Max. input strings number	3/3			
Output AC				
Rated output power	7 kW	8 kW	9 kW	10 kW
Rated apparent output power	7 kVA	8 kVA	9 kVA	10 kVA
Max. apparent output power	7 kVA	8 kVA	9 kVA	10 kVA
Max. output power	7 kW	8 kW	9 kW	10 kW
Rated grid voltage	1/N/PE, 230 V			
Rated grid frequency	50 Hz			
Rated grid output current	33.7 A	36.6 A	41.3 A	45.9 A
Max. output current	33.7 A	36.6 A	41.3 A	45.9 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			
Efficiency				
Max. efficiency	98.0%			
EU efficiency	97.1%			
Protection				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Surge protection	Yes			
Grid monitoring	Yes			
Anti-islanding protection	Yes			
Temperature protection	Yes			
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]			
Integrated DC switch	Yes (PV2 Switch)			
General Data				
Dimensions (W*H*D)	333*579*253 mm			
Weight	18.5 kg			
Topology	Transformerless			
Self-consumption (night)	<1 W			
Operating ambient temperature range	-25 ~ +60°C			
Relative humidity	0-100%			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude	4000 m			
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530			
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4			
Features				
DC connection	MC4 connector			
AC connection	OT Terminal			
Display	LCD			
Communication	RS485, Optional: Wi-Fi, GPRS			
Country of manufacture	China			

S5-GR3P(5-20)K

Models	5K-AU	6K-AU	8K-AU	9K-AU	10K-AU	12K	13K	15K	17K	20K
Input DC										
Recommended max. PV power	6.7 kW	8 kW	10.6 kW	12 kW	13.3 kW	16 kW	17.3 kW	20 kW	22.6 kW	26.6 kW
Max. input voltage	1100 V									
Rated voltage	600 V									
Start-up voltage	180 V									
MPPT voltage range	160-1000 V									
Max. input current	32 A / 16 A		32 A / 32 A							
Max. short circuit current	40 A / 20 A		40 A / 40 A							
MPPT number/Max. input strings number	2/2		2/4							
Output AC										
Rated output power	5 kW	6 kW	8 kW	9 kW	10 kW	12 kW	13 kW	15 kW	17 kW	20 kW
Rated apparent output power	5 kVA	6 kVA	8 kVA	9 kVA	10 kVA	12 kVA	13 kVA	15 kVA	17 kVA	20 kVA
Max. apparent output power	5 kVA	6 kVA	8 kVA	9 kVA	10 kVA	12 kVA	13 kVA	15 kVA	17 kVA	20 kVA
Max. output power	5 kW	6 kW	8 kW	9 kW	10 kW	12 kW	13 kW	15 kW	17 kW	20 kW
Rated grid voltage	3/N/PE, 230 V / 400 V									
Rated grid frequency	50 Hz									
Rated grid output current	7.9 A	9.5 A	12.7 A	14.3 A	15.9 A	19.1 A	20.7 A	23.8 A	27 A	31.8 A
Max. output current	7.9 A	9.5 A	12.7 A	14.3 A	15.9 A	19.1 A	20.7 A	23.8 A	27 A	31.8 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)									
THDi	<2%									
Efficiency										
Max. efficiency	98.3%		98.5%			98.6%			98.7%	
EU efficiency	97.7%		97.9%			98.0%			98.1%	
Protection										
DC reverse-polarity protection	Yes									
Short circuit protection	Yes									
Output over current protection	Yes									
Surge protection	Yes									
Grid monitoring	Yes									
Anti-islanding protection	Yes									
Temperature protection	Yes									
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]									
Integrated DC switch	Yes (PV2 Switch)									
General Data										
Dimensions (W*H*D)	310*563*219 mm									
Weight	17.8 kg						18.8 kg		20 kg	
Topology	Transformerless									
Self-consumption (night)	<1 W									
Operating ambient temperature range	-25 ~ +60°C									
Relative humidity	0-100%									
Ingress protection	IP66									
Cooling concept	Intelligent redundant fan-cooling									
Max. operation altitude	2000 m									
Grid connection standard	AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530									
Safety/EMC standard	IEC 62109-1/-2, IEC 61000-6-1/-2/-3/-4									
Features										
DC connection	MC4 connector									
AC connection	Quick connection plug									
Display	LCD									
Communication	RS485, Optional: Wi-Fi, GPRS									
Country of manufacture	China									

(1) Activation required.

S6-EH1P(3-6)K-L-AU

Models	3K	3.6K	4.6K	5K	6K
Input DC (PV side)					
Recommended max. PV power	4.8 kW	5.7 kW	7 kW	8 kW	9.6 kW
Max. input voltage	600 V				
Rated voltage	330 V				
Start-up voltage	90 V				
MPPT voltage range	90-520 V				
Max. input current	16 A / 16 A				
Max. short circuit current	24 A / 24 A				
MPPT number/Max. input strings number	2/2				
Battery					
Battery type	Li-ion / Lead-acid				
Battery voltage range	42 - 58 V				
Battery capacity	50 - 2000 Ah				
Max. charge / discharge power	3 kW	3.6 kW	4.6 kW	5 kW	6 kW
Max. charge / discharge current	62.5 A	75 A	100 A	105 A	125 A
Communication	CAN				
Output AC (Back-up)					
Rated output power	3 kW	3.6 kW	4.6 kW	5 kW	6 kW
Max. apparent output power	4.2 kVA, 60 sec	5 kVA, 60 sec	6.4 kVA, 60 sec	7 kVA, 60 sec	8 kVA, 60 sec
Back-up switch time	<10 ms				
Rated output voltage	1/N/PE, 230 V				
Rated frequency	50 Hz				
Max. output current	21.8 A	26.2 A	33.4 A	36.5 A	40 A
THDv (@linear load)	<2%				
Input AC (Grid side)					
Input voltage range	187-253 V				
Max. input current	20.5 A	24.6 A	31.4 A	34.1 A	40 A
Frequency range	45-55 Hz				
Output AC (Grid side)					
Rated output power	3 kW	3.6 kW	4.6 kW	5 kW	6 kW
Max. apparent output power	3 kVA	3.6 kVA	4.6 kVA	5 kVA	6 kVA
Operation phase	1/N/PE				
Rated grid voltage	220 V / 230 V				
Rated grid frequency	50 Hz				
Rated grid output current	13.0 A	15.7 A	20 A	21.7 A	26.1 A
Max. output current	13.0 A	15.7 A	20 A	21.7 A	26.1 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)				
THDi	<2%				
Efficiency					
Max. efficiency	> 97.0%		> 97.5%		
EU efficiency	> 96.2%				
BAT charged by PV Max. efficiency	> 94.9%				
BAT charged/discharged to AC Max. efficiency	> 94.33%/93.51%				
Protection					
DC reverse-polarity protection	Yes				
Ground fault monitoring	Yes				
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]				
Protection class/Over voltage category	I/II				
General Data					
Dimensions (W*H*D)	405*480*205 mm				
Weight	24.2 kg				
Topology	High frequency isolation (for battery)				
Operating ambient temperature range	-25 ~ +60°C				
Ingress protection	IP66				
Cooling concept	Natural convection				
Max. operation altitude	4000 m				
Grid connection standard	G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA				
Safety/EMC standard	IEC/EN 62109-1/-2, EN 61000-6-1/-2/-3/-4				
Features					
DC connection	MC4 connector				
AC connection	Quick connection plug				
Display	LED + APP				
Communication	RS485, CAN, Optional: Wi-Fi, GPRS, LAN				
Country of manufacture	China				

(1) Activation required.

S6-EH3P(5-10)K-H-AU

Models	5K	6K	8K	10K
Input DC (PV side)				
Recommended max. PV power	8 kW	9.6 kW	12.8 kW	16 kW
Max. input voltage	1000 V			
Rated voltage	600 V			
Start-up voltage	160 V			
MPPT voltage range	200-850 V			
Max. input current	16 A / 16 A / 16 A		16 A / 16 A / 16 A / 16 A	
Max. short circuit current	24 A / 24 A / 24 A		24 A / 24 A / 24 A / 24 A	
MPPT number/Max. input strings number	3/3		4/4	
Battery				
Battery type	Li-ion			
Battery voltage range	120-600 V			
Max. charge / discharge power	5 kW	6 kW	8 kW	10 kW
Max. charge / discharge current	25 A		50 A	
Communication	CAN/RS485			
Output AC (Grid side)				
Rated output power	5 kW	6 kW	8 kW	10 kW
Max. apparent output power	5 kVA	6 kVA	8 kVA	10 kVA
Rated grid voltage	3/N/PE, 380 V / 400 V			
Rated grid frequency	50 Hz			
Rated grid output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A
Max. output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)			
THDi	<3%			
Input AC (Grid side)				
Max. input power	7.5 kW	9 kW	12 kW	15 kW
Rated input current	11.4 A	13.8 A	18.2 A	22.8 A
Rated input voltage	3/N/PE, 380 V / 400 V			
Rated input frequency	50 Hz			
Output AC (Back-up)				
Rated output power	5 kW	6 kW	8 kW	10 kW
Max. apparent output power	8 kVA, 60 sec	9.6 kVA, 60 sec	12.8 kVA, 60 sec	16 kVA, 60 sec
Back-up switch time	<10 ms			
Rated output voltage	3/N/PE, 380 V / 400 V			
Rated frequency	50 Hz			
Rated output current	7.6 A / 7.2 A	9.1 A / 8.7 A	12.2 A / 11.5 A	15.2 A / 14.4 A
THDv (@linear load)	<2%			
Efficiency				
Max. efficiency	97.87%	97.91%	98.03%	98.04%
EU efficiency	96.77%	97.1%	97.41%	97.51%
BAT charged by PV Max. efficiency	98.37%	98.45%	98.22%	98.31%
BAT charged/discharged to AC Max. efficiency	97.32%	97.34%	97.5%	97.5%
Protection				
Anti-islanding protection	Yes			
Output over current protection	Yes			
Short circuit protection	Yes			
Integrated AFCI (DC arc-fault circuit protection)	Yes [1]			
Integrated DC switch	Yes			
DC reverse-polarity protection	Yes			
PV over voltage protection	Yes			
Battery reverse protection	Yes			
General Data				
Dimensions (W*H*D)	600*500*230 mm			
Weight	32.6 kg			
Topology	Transformerless			
Self-consumption (night)	<25 W			
Operating ambient temperature range	-25 ~ +60°C			
Ingress protection	IP66			
Cooling concept	Natural convection			
Max. operation altitude	4000 m			
Grid connection standard	G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15/VFR:2019, RD 1699/RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA			
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3			
Features				
PV connection	MC4 connector			
Battery connection	Quick connection plug			
AC connection	Quick connection plug			
Display	LED + Bluetooth + APP			
Communication	CAN, RS485, Ethernet, Optional: Wi-Fi, Cellular, LAN			
Country of manufacture	China			

(1) Activation required.

S5-EO1P(4-5)K-48

Models	4K	4K-P	5K	5K-P
Parallel capability	No	Yes, 10 units	No	Yes, 10 units
Battery				
Rated battery voltage	48 V			
Battery type	Li-ion / Lead-acid			
Max. charge / discharge current	100 A			
Communication	CAN/RS485			
Inverter Output				
Rated output power	4 kVA / 4 kW		5 kVA / 5 kW	
Rated output voltage	230 V ± 1%			
Rated frequency	50 Hz ± 0.1%			
Surge capacity	8 kVA		10 kVA	
Output voltage waveform	Pure sine wave			
Transfer time	10 ms typical, 20 ms Max			
THDv (@linear load)	<3%			
Peak efficiency (PV-AC)	96.7%			
Solar Charger				
Solar chager type	MPPT			
Recommended max. PV power	5 kW		5.5 kW	
Max. input voltage	500 V			
MPPT voltage range	90-480 V			
MPPT number/Max. input strings number	1/2			
Max. input current per MPPT	26 A [1]			
Max. solar charge current	100 A			
AC Charger				
Rated input voltage	230 V			
Selectable voltage range	90-280 V			
AC frequence range	50 Hz / 60 Hz (Auto sensing)			
Max. AC charge current	60 A		80 A	
Protection				
Output over voltage protection	Yes			
Output over current protection	Yes			
Short circuit protection	Yes			
Surge protection	Yes			
Temperature protection	Yes			
Integrated AFCI (DC arc-fault circuit protection)	Yes			
General Data				
Dimensions (W*H*D)	335*450*160 mm			
Weight	14 kg			
Relative humidity	5% to 95% (Non-condensing)			
Operating ambient temperature range	-10 ~ +60°C			
Storage temperature range	-25 ~ +60°C			
Ingress protection	IP21			
Max. operation altitude	2000 m			
Safety standard	IEC 62109, IEC 61000			
Features				
DC connection	Terminal connectors			
AC connection	Terminal connectors			
Display	LCD			
Communication	CAN, BMS, RS485, Dry-contact, Bluetooth, Optional: Wi-Fi			
Country of manufacture	China			

(1) Max. input current per string will be 26A for one string's design and 13A for two strings' design;
Max. input short current per string will be 32A for one string's design and 16A for two strings' design.