

SOFAR

SOFAR

ENERGY TO POWER
YOUR LIFE

PRODUCT *catalogue*

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Shenzhen SOFARSOLAR Co., Ltd.

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SOFAR INTRODUCTION

SOFAR is a global leading provider of all-scenario solar PV and energy storage solutions and committed to be the leader of digital energy solutions. SOFAR supports the transition to renewable energy through a comprehensive portfolio including PV inverters range from 1 kW to 350 kW, hybrid inverters range from 3 kW to 20 kW, battery storage systems, C&I and utility ESS solutions, microinverter system and SOFAR Monitor for residential, commercial & industrial, and utility-scale applications.

Founded in 2013, SOFAR has always insisted on independent innovation, established a global R&D network with three R&D centers and over 25% of its workforces assigned to R&D, thus gradually establishing the holistic technology and product R&D system.

SOFAR always insists on globalization thinking and localization action since its establishment and now has two global manufacturing bases of 16 inverter production lines and 4 battery production lines, with an annual production capacity of 14GW PV & storage inverters & 1 GWh batteries. It has built an extensive service network of over 20 branch offices worldwide, such as the United Kingdom, Poland, Germany, South Korea, Pakistan, Australia, and so on. As of June 2024, SOFAR had shipped over 34 GW inverters to more than 100 countries and regions around the world.

As the world's fastest-growing solar energy brand, SOFAR stands firmly among the mainstream solar energy brands with a compound annual growth rate of over 100% from 2020 till 2022. Due to the abilities in cutting-edge solar technologies, SOFAR has achieved China "CQC" certification, Chinese Top 5 String Inverter Brand, TOP5 Global Hybrid Inverter Provider and and entitled by EuPD as TOP Brand PV Inverter in India, Poland, Australia, the U.K., Italy and Brazil.

Looking forward, SOFAR will adhere to its mission of "Technology Drives Green Energy" and its value of Virtue & Integrity, Collaboration & Effectiveness to build its core competitiveness in independent innovation in Net-Zero era, expecting to accelerate the global clean energy transition, leveraging its leading solar and energy storage products and solutions.

Learn more about SOFAR by visiting: <https://www.sofarsolar.com/>.

ENERGY TO
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PRODUCT PORTFOLIO

Single-phase Inverter

02-10

- SOFAR 3.3KTL2-G3 / 4KTL2-G3
 - SOFAR 3KTLM-G3 / 4KTLM-G3 / 5KTLM-G3 / 6KTLM-G3
 - SOFAR 7.5KTLM-G3-BR
 - SOFAR 9KTLM-G3 / 10KTLM-G3
-

Three-phase Inverter

12-36

- SOFAR 12KTLX-G3P
 - SOFAR 15KTLX-G3P / 20KTLX2-G3P / 25KTLX-G3P
 - SOFAR 30KTLX-G3 / 40KTLX-G3 / 50KTLX-G3
 - SOFAR 37.5KTLX-G3
 - SOFAR 15KTLX-G3-LV / 20KTLX-G3-LV / 25KTLX-G3-LV / 30KTLX-G3-LV
 - SOFAR 37.5KTLX-G3-LV
 - SOFAR 40KTLX-G4-LV / 50KTLX-G4-LV / 60KTLX-G4-LV / 75KTLX-G4-LV
 - SOFAR 60KTLX2-G3 / 75KTLX-G3
 - SOFAR 100KTLX-G4 / 110KTLX-G4 / 125KTLX-G4 / 125KTLX-G4-A
 - SOFAR 250KTL-HV / 255KTL-HV
 - SOFAR 250KTL-HV-PRO
 - SOFAR 333KTLX0
-

Smart Energy

38-48

- LSW-3
 - PSC100*
 - PSC300*
 - CH1000
 - SofarCloud
-



01 Single-phase Inverter

SOFAR 1-4KTL2-G3

3.3 /4KW

SINGLE-PHASE SINGLE MPPT



Product advantages

- Max. efficiency up to 97.7%
- Lightweight, quick and easy to install
- 150% DC overload
- IP65 design for outdoor
- RS485
- Feed-in limitation function



Model	SOFAR 3.3KTL2-G3	SOFAR 4KTL2-G3
Input (DC)		
Max. PV input power	4950Wp	6000Wp
Max. DC power for single MPPT	4500W	5400W
Max. input voltage	550V	
Rated input voltage	360V	
Start-up voltage	70V	
MPPT operating voltage range	50V-550V	
Full power MPPT voltage range	160V-500V	
Number of MPP trackers	1	
Number of DC inputs	1 for each MPPT	
Max. input MPPT current	15A	
Max. input short circuit current	20A	
Output (AC)		
Rated output power (@40°C)	3300W	4000W
Max. output power (@40°C)	3300W	4000W
Max. apparent power	3300VA	4000VA
Max. output current	16A	19.3A
Rated output voltage	L/N/PE, 220Vac	
Output voltage range	180Vac-276Vac	
Rated output frequency	50 / 60Hz	
Output frequency range	45Hz-55Hz / 55Hz-65Hz	
Active power adjustable range	0-100%	
THDi	<3%	
Power factor	0.8 leading - 0.8 lagging	
Efficiency		
Max. efficiency	97.7%	
European efficiency	97.2%	
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Ground fault monitoring	Yes	
PV-array string fault monitoring	Yes	
DC switch	Yes	
AFCI	Yes	
SPD	PV: type III, AC: type III	
General Data		
Ambient temperature range	-25°C to +60°C	
Self-consumption at night	<1W	
Topology	Transformerless	
Degree of protection	IP65	
Allowable relative humidity range	0-100%	
Max. operating altitude	2000m	
Cooling	Natural	
Dimension(WxHxD)	321×260.5×131.5mm	321×260.5×151.5mm
Weight	≤ 7kg	≤ 7.3kg
Display	LCD+LED	
Communication	RS485 / Wi-Fi	
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, VDE V 0126-1-1, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150	

*All specifications are subject to change without notice.

SOFAR 3-6KTLM-G3

3 / 4 / 5 / 6 kW

SINGLE-PHASE DUAL MPPT



Product advantages

- Max. efficiency up to 98.4%
- Compact design, lightweight
- Two MPPTs with 170% DC overload
- Natural cooling, no fans, low noise
- Feed-in limitation function
- RS485/Bluetooth, Optional: Wi-Fi/Ethernet



Model	SOFAR 3KTLM-G3	SOFAR 4KTLM-G3	SOFAR 5KTLM-G3	SOFAR 6KTLM-G3
Input (DC)				
Max. PV input power	5100Wp	6800Wp	8500Wp	10200Wp
Max. DC power for single MPPT	3500W	3500W	3750W	4500W
Max. input voltage	600V			
Rated input voltage	380V			
Start-up voltage	90V			
MPPT operating voltage range	80V-550V			
Full power MPPT voltage range	160V-500V			
Number of MPP trackers	2			
Number of DC inputs	1 for each MPPT			
Max. input MPPT current	15A / 15A			
Max. input short circuit current	22.5A / 22.5A			
Output (AC)				
Rated output power (@40°C)	3000W	4000W	5000W	6000W
Max. output power (@40°C)	3300W	4400W	5500W	6000W
Max. apparent power	3300VA	4400VA	5500VA	6000VA
Max. output current	15A	20A	25A	29A
Rated output voltage	L/N/PE, 220Vac			
Output voltage range	180Vac-276Vac			
Rated output frequency	50 / 60Hz			
Output frequency range	45Hz-55Hz / 55Hz-65Hz			
Active power adjustable range	0-100%			
THDi	<3%			
Power factor	0.8 leading - 0.8 lagging			
Efficiency				
Max. efficiency	98.2%	98.2%	98.4%	98.4%
European efficiency	97.3%	97.3%	97.5%	97.5%
Protection				
DC reverse polarity protection	Yes			
Anti-islanding protection	Yes			
Leakage current protection	Yes			
Ground fault monitoring	Yes			
PV-array string fault monitoring	Yes			
DC switch	Yes			
AFCl	Yes			
SPD	PV: type III, AC: type III			
General Data				
Ambient temperature range	-25°C to +60°C			
Self-consumption at night	<1W			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m			
Cooling	Natural			
Dimension(W×H×D)	349×344×164mm			
Weight	9.2kg		10kg	
Display	LCD & Bluetooth +APP			
Communication	RS485 / Wi-Fi / USB			
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-2/3, IEC/EN 61000-3-2/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150			

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SOFAR 7.5KTLM-G3-BR

7.5 kW

SINGLE-PHASE DUAL MPPT



Product advantages

- Compact, light-weight design
- Max. efficiency up to 97.6%
- Feed-in limitation function
- Natural cooling, no fans, low noise
- Low start-up voltage, wide MPPT voltage range
- Intelligent Monitoring, remote firmware upgrade



Model	SOFAR 7.5KTLM-G3-BR
Input (DC)	
Recommended Max. PV input power	12750Wp
Max. DC power for single MPPT	7000W
Max. input voltage	600V
Rated input voltage	380V
Start-up voltage	90V
MPPT operating voltage range	80V-540V
Full power MPPT voltage range	160V-500V
Number of MPP trackers	2
Number of DC inputs	1 for each MPPT
Max. input MPPT current	18A / 18A
Max. input short circuit current	25A / 25A
Output(AC)	
Rated output power (@40°C)	7500W
Max. output power (@40°C)	7500W
Max. apparent power	7500VA
Max. output current	36.2A
Rated output voltage	L/N/PE, 220Vac
Output voltage range	180Vac-276Vac
Rated output frequency	50 / 60Hz
Output frequency range	45Hz-55Hz / 55Hz-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging
Efficiency	
Max. efficiency	97.6%
European efficiency	97%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
AFCI	Yes
SPD	PV: type III, AC: type III
General Data	
Ambient temperature range	-25°C to +60°C
Self-consumption at night	<1W
Topology	Transformerless
Degree of protection	IP65
Allowable relative humidity range	0-100%
Max. operating altitude	4000m
Cooling	Natural
Dimension(W×H×D)	352.8×344×167 mm
Weight	12kg
Display	LCD & Bluetooth +APP
Communication	RS485 / Wi-Fi / USB
Standard	PORTARIA INMETRO N° 140, ABNT NBR 16149/16150

*All specifications are subject to change without notice.

SOFAR 7-10.5KTLM-G3

9 / 10 kW

SINGLE-PHASE THREE MPPTS



Product advantages

- Max. efficiency up to 98.1%
- Low start-up voltage, wide MPPT voltage range
- Three MPPTs with 170% DC overload
- Compatible with 500 W+ modules
- I-V curve scanning function
- Natural cooling, no fans, low noise
- Prolonged AC overload compatibility (110%)



Model	SOFAR 9KTLM-G3	SOFAR 10KTLM-G3
Input (DC)		
Max. PV input power	15300Wp	17000Wp
Max. DC power for single MPPT	6250W / 5000W / 5000W	6250W / 5000W / 5000W
Max. input voltage	600V	
Rated input voltage	360V	
Start-up voltage	90V	
MPPT operating voltage range	80V-550V	
Full power MPPT voltage range	160V-480V	
Number of MPP trackers	3	
Number of DC inputs	1 for each MPPT	
Max. input MPPT current	20A / 16A / 16A	
Max. input short circuit current	30A / 25A / 25A	
Output(AC)		
Rated output power (@40°C)	9000W	10000W
Max. output power (@40°C)	9900W	10000W
Max. apparent power	9900VA	10000VA
Max. output current	45A	46A
Rated output voltage	L/N/PE, 220Vac	
Output voltage range	180Vac-276Vac	
Rated output frequency	50 / 60Hz	
Output frequency range	45Hz-55Hz / 55Hz-65Hz	
Active power adjustable range	0-100%	
THDi	<3%	
Power factor	0.8 leading - 0.8 lagging	
Efficiency		
Max. efficiency	98.1%	
European efficiency	97.3%	
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Ground fault monitoring	Yes	
PV-array string fault monitoring	Yes	
DC switch	Yes	
AFCI	Yes	
SPD	PV: type II, AC: type III	
General Data		
Ambient temperature range	-25°C to +60°C	
Self-consumption at night	<1W	
Topology	Transformerless	
Degree of protection	IP65	
Allowable relative humidity range	0-100%	
Max. operating altitude	4000m	
Cooling	Natural	
Dimension(W×H×D)	468×380×187 mm	
Weight	19kg	
Display	LCD & Bluetooth +APP	
Communication	RS485 / Wi-Fi / USB	
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150	

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02 Three-phase Inverter

SOFAR 12KTLX-G3P

12 kW

THREE PHASE DUAL MPPT



Product advantages

- Multiple MPPTs compatible with 600W+ modules
- Low start-up voltage, wide MPPT voltage range
- Prolonged AC overload compatibility (110%)
- Type II SPD for both DC and AC
- Intelligent monitoring, remote operation



Model	SOFAR 12KTLX-G3P
Input (DC)	
Max. PV input power	20400Wp
Max. DC power for single MPPT	12000W / 19200W
Max. input voltage	1100V
Rated input voltage	620V
Start-up voltage	180V
MPPT operating voltage range	160-1000V
Full power MPPT voltage range	400V-850V
Number of MPP trackers	2
Number of DC inputs	1 / 2
Max. input MPPT current	20A / 32A
Max. input short circuit current	25A / 40A
Output(AC)	
Rated output power (@40°C)	12000W
Max. output power (@40°C)	13200W
Max. apparent power	13200VA
Max. output current	20.1A
Rated output voltage	3/N/PE, 220 / 380Vac
Output voltage range	310 - 480Vac
Rated output frequency	50 / 60Hz
Output frequency range	45-55Hz / 55-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging
Efficiency	
Max. efficiency	≥98.6%
European efficiency	≥98.1%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
AFCI	Yes
SPD	PV: type II, AC: type II
General Data	
Ambient temperature range	-25°C to +60°C
Self-consumption at night	<1W
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0-100%
Max. operating altitude	4000m (> 2000m derating)
Cooling	Smart air cooling
Dimension(W×H×D)	491 × 412 × 188 mm
Weight	19kg
Display	LED & Bluetooth +APP
Communication	RS485 / Wi-Fi / USB
Standard	PORTARIA N° 140, ABNT NBR 16149/16150

*All specifications are subject to change without notice.

SOFAR 15-25KTLX-G3P

15 / 20 / 25 kW

THREE-PHASE DUAL MPPT



Product advantages

- Multiple MPPTs compatible with 600W+modules
- Prolonged AC overload capability (110%)
- Type II SPD for both DC and AC
- Low start-up voltage, wide MPPT voltage range
- Intelligent monitoring, remote operation



Model	SOFAR 15KTLX-G3P	SOFAR 20KTLX2-G3P	SOFAR 25KTLX-G3P
Input (DC)			
Recommended Max. PV input power	25500Wp	34000Wp	42500Wp
Max. DC power for single MPPT	12000W / 19200W	24000W / 19200W	24000W / 19200W
Max. input voltage	1100V		
Rated input voltage	620V		
Start-up voltage	180V		
MPPT operating voltage range	160V-1000V		
Full power MPPT voltage range	520V-850V	520V-850V	540V-850V
Number of MPP trackers	2		
Number of DC inputs	1/2	2/2	
Max. input MPPT current	20A / 32A	40A / 32A	
Max. input short circuit current	25A / 40A	50A / 40A	
Output (AC)			
Rated output power (@40°C)	15000W	20000W	25000W
Max. output power (@40°C)	16500W	22000W	27500W
Max. apparent power	16500VA	22000VA	27500VA
Max. output current	25.1A	33.5A	41.8A
Rated output voltage	3/N/PE, 220 / 380Vac		
Output voltage range	310Vac-480Vac		
Rated output frequency	50 / 60Hz		
Output frequency range	45Hz-55Hz / 55Hz-65Hz		
Active power adjustable range	0-100%		
THDi	<3%		
Power factor	0.8 leading - 0.8 lagging		
Efficiency			
Max. efficiency	≥98.6%		
European efficiency	≥98.1%		
Protection			
DC reverse polarity protection	Yes		
Anti-islanding protection	Yes		
Leakage current protection	Yes		
Ground fault monitoring	Yes		
PV-array string fault monitoring	Yes		
DC switch	Yes		
AFCI	Yes		
SPD	PV: type II , AC: type II		
General Data			
Ambient temperature range	-25°C to +60°C		
Self-consumption at night	<1W		
Topology	Transformerless		
Degree of protection	IP66		
Allowable relative humidity range	0-100%		
Max. operating altitude	4000m(>2000m derating)		
Cooling	Smart air cooling		
Dimension(W×H×D)	491×412×188 mm		
Weight	19kg	20.5kg	
Display	LED & Bluetooth +APP		
Communication	RS485 / Wi-Fi / USB		
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/2/3/4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150		

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SOFAR 25-50KTLX-G3

30 / 40 / 50 kW

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Max. efficiency up to 98.80%
- Up to 4 MPPTs with DC overload capability (up to 170%)
- Type II SPD for both DC and AC side
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Model	SOFAR 30KTLX-G3	SOFAR 40KTLX-G3	SOFAR 50KTLX-G3
Input (DC)			
Max. PV input power	51000Wp	68000Wp	85000Wp
Max. DC power for single MPPT	25000W	25000W	25000W
Max. input voltage	1100V		
Rated input voltage	620V		
Start-up voltage	200V		
MPPT operating voltage range	180V-1000V		
Full power MPPT voltage range	480V-850V	480V-850V	540V-850V
Number of MPP trackers	3	4	
Number of DC inputs	2 for each MPPT		
Max. input MPPT current	3×40A	3×40A	
Max. input short circuit current	3×50A	3×50A	
Output(AC)			
Rated output power (@40°C)	30000W	40000W	50000W
Max. output power (@40°C)	34000W	44000W	55000W
Max. apparent power	34000VA	44000VA	55000VA
Max. output current	51.5A	66.7A	83.3A
Rated output voltage	3 / N / PE, 220 / 380 Vac		
Output voltage range	310Vac-480Vac		
Rated output frequency	50 / 60Hz		
Output frequency range	45-55Hz / 55-65Hz		
Active power adjustable range	0-100%		
THDi	<3%		
Power factor	0.8 leading - 0.8 lagging		
Efficiency			
Max. efficiency	98.6%	98.8%	
European efficiency	98.2%		
Protection			
DC reverse polarity protection	Yes		
Anti-islanding protection	Yes		
Leakage current protection	Yes		
Ground fault monitoring	Yes		
PV-array string fault monitoring	Yes		
DC switch	Yes		
AFCI	Yes		
SPD	PV: type II, AC: type II		
General Data			
Ambient temperature range	-25°C to +60°C		
Self-consumption at night	<3W		
Topology	Transformerless		
Degree of protection	IP65		
Allowable relative humidity range	0-100%		
Max. operating altitude	4000m		
Cooling	Smart air cooling		
Dimension(W×H×D)	585×480×220mm		
Weight	36kg	37kg	
Display	LCD & Bluetooth +APP		
Communication	RS485 / Wi-Fi / USB		
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/2/3/4, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150		

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SOFAR 37.5KTLX-G3

37.5 kW

THREE-PHASE FOUR MPPTS



Product advantages

- Max. efficiency up to 98.80%
- Up to 4 MPPTs with DC overload capability (up to 170%)
- Type II SPD for both DC and AC
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Model	SOFAR 37.5KTLX-G3
Input (DC)	
Max. PV input power	63750Wp
Max. DC power for single MPPT	25000W
Max. input voltage	1100V
Rated input voltage	620V
Start-up voltage	200V
MPPT operating voltage range	180-1000V
Full power MPPT voltage range	480-850V
Number of MPP trackers	4
Number of DC inputs	2 for each MPPT
Max. input MPPT current	4×40A
Max. DC input short circuit current	4×50A
Output(AC)	
Rated output power (@40°C)	37500W
Max. output power (@40°C)	42000W
Max. apparent power	42000VA
Max. output current	63.6A
Rated output voltage	3/N/PE, 220/380Vac
Output voltage range	310-480Vac
Rated output frequency	50 / 60Hz
Output frequency range	45-55Hz / 55-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging
Efficiency	
Max. efficiency	98.8%
European efficiency	98.2%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
AFCI	Yes
SPD	PV: type II, AC: type II
General Data	
Ambient temperature range	-25°C to +60°C
Self-consumption at night	<3W
Topology	Transformerless
Degree of protection	IP65
Allowable relative humidity range	0-100%
Max. operating altitude	4000m
Cooling	Smart air cooling
Dimension(W×H×D)	585×480×220mm
Weight	36kg
Display	LCD & Bluetooth +APP
Communication	RS485 / Wi-Fi / USB
Standard	PORTARIA INMETRO N° 140, ABNT NBR 16149/16150

*All specifications are subject to change without notice.

SOFAR 15-30KTLX-G3-LV

15 / 20 / 25 / 30 kW

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Multiple MPPTs compatible with 600W+modules
- Prolonged AC overload capability (110%)
- I-V curve scanning function
- Type II SPD for both DC and AC
- Low start-up voltage, wide MPPT voltage range
- Intelligent monitoring, remote operation



Model	SOFAR 15KTLX-G3-LV	SOFAR 20KTLX-G3-LV	SOFAR 25KTLX-G3-LV	SOFAR 30KTLX-G3-LV
Input (DC)				
Recommended Max. PV input power	25500Wp	34000Wp	42500Wp	51000Wp
Max. DC power for single MPPT	9600W	9600W	9600W	11250W
Max. input voltage	1100V			
Rated input voltage	370V			
Start-up voltage	200V			
MPPT operating voltage range	180V-800V			
Full power MPPT voltage range	240V-750V		330V-750V	
Number of MPP trackers	3	4		
Number of DC inputs	2 for each MPPT			
Max. input MPPT current	3×40A	4×40A		
Max. input short circuit current	3×50A	4×50A		
Output(AC)				
Rated output power (@40°C)	15000W	20000W	25000W	30000W
Max. output power (@40°C)	16500W	22000W	25000W	30000W
Max. apparent power	16500VA	22000VA	25000VA	30000VA
Max. output current	43.4A	57.7A	65.7A	78.8A
Rated output voltage	3/N/PE, 127 / 220Vac			
Output voltage range	176-242Vac			
Rated output frequency	50 / 60Hz			
Output frequency range	45Hz-55Hz / 55Hz-65Hz			
Active power adjustable range	0-100%			
THDi	<3%(@rated output power)			
Power factor	0.8 leading - 0.8 lagging			
Efficiency				
Max. efficiency	≥98%	≥98%	≥98.4%	≥98.4%
European efficiency	≥97.4%	≥97.5%	≥97.9%	≥98%
Protection				
DC reverse polarity protection	Yes			
Anti-islanding protection	Yes			
Leakage current protection	Yes			
Ground fault monitoring	Yes			
PV-array string fault monitoring	Yes			
DC switch	Yes			
AFCI	Yes			
SPD	PV: type II, AC: type II			
General Data				
Ambient temperature range	-25°C to +60°C			
Self-consumption at night	<3W			
Topology	Transformerless			
Degree of protection	IP65			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m			
Cooling	Smart air cooling			
Dimension(W×H×D)	585×480×220mm			
Weight	36kg	37kg		
Display	LCD & Bluetooth +APP			
Communication	RS485 / Wi-Fi / USB			
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-2/4, IEC62116, IEC61727, PORTARIA INMETRO N° 140, ABNT NBR 16149/16150			

*All specifications are subject to change without notice.

SOFAR 37.5KTLX-G3-LV

37.5 kW

THREE-PHASE FOUR MPPTS



Product advantages

- Multiple MPPTs compatible with 600W+modules
- I-V curve scanning function
- Type II SPD for both DC and AC
- Low start-up voltage, wide MPPT voltage range
- Intelligent monitoring, remote operation



Model	SOFAR 37.5KTLX-G3-LV
Input (DC)	
Max. PV input power	63750Wp
Max. DC power for single MPPT	16000W
Max. input voltage	1100V
Rated input voltage	370V
Start-up voltage	200V
MPPT operating voltage range	180-1000V
Full power MPPT voltage range	330-750V
Number of MPP trackers	4
Number of DC inputs	2 for each MPPT
Max. input MPPT current	4×40A
Max. DC input short circuit current	4×50A
Output(AC)	
Rated output power (@40°C)	37500W
Max. output power (@40°C)	37500W
Max. apparent power	37500VA
Max. output current	98.4A
Rated output voltage	3/N/PE, 127 / 220Vac
Output voltage range	176-242Vac
Rated output frequency	60Hz
Output frequency range	55Hz-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging
Efficiency	
Max. efficiency	≥98.4%
European efficiency	≥98%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
AFCI	Yes
SPD	PV: type II, AC: type II
General Data	
Ambient temperature range	-25°C to +60°C
Self-consumption at night	<3W
Topology	Transformerless
Degree of protection	IP65
Allowable relative humidity range	0-100%
Max. operating altitude	4000m
Cooling	Smart air cooling
Dimension(W×H×D)	585×480×220mm
Weight	38kg
Display	LED & Bluetooth +APP
Communication	RS485 / Wi-Fi / USB
Standard	PORTARIA INMETRO N° 140, ABNT NBR 16149/16150

*All specifications are subject to change without notice.

SOFAR 40-75KTLX-G4-LV

40 / 50 / 60 / 75 kW

THREE-PHASE SIX TO EIGHT MPPTS



Product advantages

- String current up to 20A, perfectly match 700W+ modules
- Maximum 8 MPPTs, support 200%+ DC/AC ratio
- AFCI function
- Type II SPD for both DC and AC side
- IP66 & C5 protection
- Lighter , easier to carry and install



Model	SOFAR 40KTLX-G4-LV	SOFAR 50KTLX-G4-LV	SOFAR 60KTLX-G4-LV	SOFAR 75KTLX-G4-LV
Input (DC)				
Max. PV input power	80000Wp	100000Wp	120000Wp	150000Wp
Max. DC power for single MPPT	18000W	18000W	18000W	18000W
Max. input voltage	900V			
Rated input voltage	360V			
Start-up voltage	200V			
MPPT operating voltage range	180V-800V			
Full power MPPT voltage range	300-700V			
Number of MPP trackers	6		8	
Number of DC inputs	2 for each MPPT			
Max. input MPPT current	6×40A		8×40A	
Max. input short circuit current	6×50A		8×50A	
Output(AC)				
Rated output power (@40°C)	40000W	50000W	60000W	75000W
Max. output power (@40°C)	44000W	55000W	66000W	75000W
Max. apparent power	44000VA	55000VA	66000VA	75000VA
Max. output current	115.5A	144.4A	173.3A	196.9A
Rated output voltage	3/N/PE, 127 / 220 Vac			
Output voltage range	176-242Vac			
Rated output frequency	50 / 60Hz			
Output frequency range	45Hz-55Hz / 55Hz-65Hz			
Active power adjustable range	0-100%			
THDi	<3%(@rated output power)			
Power factor	0.8 leading - 0.8 lagging			
Efficiency				
Max. efficiency	≥98.5%			
European efficiency	≥98%			
Protection				
DC reverse polarity protection	Yes			
Anti-islanding protection	Yes			
Leakage current protection	Yes			
Ground fault monitoring	Yes			
PV-array string fault monitoring	Yes			
DC switch	Yes			
AFCI	Yes			
SPD	PV: type II, AC: type II			
General Data				
Ambient temperature range	-25°C to +60°C			
Self-consumption at night	<2W			
Topology	Transformerless			
Degree of protection	IP66			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m (> 3000m derating)			
Cooling	Smart air cooling			
Dimension(W×H×D)	970×695×325mm			
Weight	75kg			
Display	LCD & Bluetooth +APP			
Communication	RS485 / Wi-Fi / USB			
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-2/4, IEC 62116, IEC 61727, PORTARIA N° 140, ABNT NBR 16149/16150			

*All specifications are subject to change without notice.

SOFAR 60-80KTLX-G3

60 / 75 kW

THREE-PHASE SIX MPPTS



Product advantages

- Max. efficiency up to 98.7%
- Longtime 110% AC overload ability
- Type II SPD for both DC and AC side
- 6 MPPTs with 170% DC overload
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ PV modules
- I-V curve scanning function



Model	SOFAR 60KTLX2-G3	SOFAR 75KTLX-G3
Input (DC)		
Max. PV input power	102000Wp	127500Wp
Max. DC power for single MPPT	18000W	24000W
Max. input voltage		1100V
Rated input voltage		620V
Start-up voltage		200V
MPPT operating voltage range		180V-1000V
Full power MPPT voltage range		500V-850V
Number of MPP trackers		6
Number of DC inputs		2 for each MPPT
Max. input MPPT current		6×40A
Max. input short circuit current		6×60A
Output(AC)		
Rated output power (@40°C)	60000W	75000W
Max. output power (@40°C)	66000W	75000W
Max. apparent power	66000VA	75000VA
Max. output current	100A	113.6A
Rated output voltage		3/N/PE, 220 / 380 Vac
Output voltage range		310Vac-480Vac
Rated output frequency		50 / 60Hz
Output frequency range		45-55Hz / 55-65Hz
Active power adjustable range		0-100%
THDi		<3%
Power factor		0.8 leading - 0.8 lagging
Efficiency		
Max. efficiency		98.7%
European efficiency		98.2%
Protection		
DC reverse polarity protection		Yes
Anti-islanding protection		Yes
Leakage current protection		Yes
Ground fault monitoring		Yes
PV-array string fault monitoring		Yes
DC switch		Yes
AFCI		Yes
SPD		PV: type II, AC: type II
General Data		
Ambient temperature range		-25°C to +60°C
Self-consumption at night		<2W
Topology		Transformerless
Degree of protection		IP66
Allowable relative humidity range		0-100%
Max. operating altitude		4000m(>3000m derating)
Cooling		Smart air cooling
Dimension(W×H×D)		687×561×275mm
Weight		50kg
Display		LCD & Bluetooth +APP
Communication		RS485 / Wi-Fi / USB
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-2/4, IEC 61000-3-4/5, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, PORTARIA N° 140, ABNT NBR 16149/16150	

*All specifications are subject to change without notice.

SOFAR 100-125KTLX-G4

100 / 110 / 125 kW

THREE-PHASE TEN MPPTS



Product advantages

- Max. efficiency up to 98.6%
- IP66 design for outdoor
- Maximum 10 MPPTs with 170%+ DC overload
- Type II SPD for both DC and AC side
- AC/DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function
- Supports Modbus Communication, external Wi-Fi



Model	SOFAR 100KTLX-G4	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4	SOFAR 125KTLX-G4-A
Input (DC)				
Recommended Max. PV input power	170000Wp	187000Wp	212500Wp	212500Wp
Max. DC power for single MPPT	24000W	24000W	24000W	24000W
Max. input voltage	1100V			
Rated input voltage	625V			
Start-up voltage	200V			
MPPT operating voltage range	180V-1000V			
Full power MPPT voltage range	500V-850V			
Number of MPP trackers	10			
Number of DC inputs	2 for each MPPT			
Max. input MPPT current	10×40A			
Max. input short circuit current	10×50A			
Output (AC)				
Rated output power (@40°C)	100000W	100000W	110000W	125000W
Max. output power (@40°C)	100000W	110000W	125000W	125000W
Max. apparent power	100000VA	110000VA	125000VA	125000VA
Max. output current	152A@380V / 145A@400V	167.2A@380V / 159.5A@400V	190A@380V / 181.2A@400V	190A@380V / 181.2A@400V
Rated output voltage	3/N/PE, 380 / 400 Vac			
Output voltage range	310-480Vac			
Rated output frequency	50 / 60Hz			
Output frequency range	45-55Hz / 55-65Hz			
Active power adjustable range	0-100%			
THDi	<1%(@100%P)			
Power factor	0.8 leading - 0.8 lagging			
Efficiency				
Max. efficiency	98.6%			
European efficiency	98.3%			
Protection				
DC reverse polarity protection	Yes			
Anti-islanding protection	Yes			
Leakage current protection	Yes			
Ground fault monitoring	Yes			
PV-array string fault monitoring	Yes			
DC switch	Yes			
AFCI	Yes			
SPD	PV: type II, AC: type II			
General Data				
Ambient temperature range	-25°C to +60°C			
Topology	Transformerless			
Degree of protection	IP66			
Allowable relative humidity range	0-100%			
Max. operating altitude	4000m (>3000m derating)			
Cooling	Smart air cooling			
Dimension (W×H×D)	970×695×325mm			
Weight	75kg			
Display	LCD & Bluetooth +APP			
Communication	RS485 / Wi-Fi / USB			
Standard	EN/IEC 62109-1/2, EN/IEC 61000-6-2/-4, IEC 61000-3-4/-5, EN 50549, IEC62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, VDE V 0126-1-1, VDE-AR-N 4105/4110, NTS 631, UNE 217001, UNE 217002, PORTARIA N° 140, ABNT NBR 16149/16150			

*All specifications are subject to change without notice.

SOFAR 250-255 KTL-HV

250 / 255 kW

THREE-PHASE TWELVE MPPTS



Product advantages

- 12 MPPTs with max. efficiency up to 99.02%
- IP66&C5 protection design for outdoor
- PID recovery
- Compatible with Al and Cu AC cables
- Type II SPD for both DC and AC side
- AC/DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function



Model	SOFAR 250KTL-HV	SOFAR 255KTL-HV
Input (DC)		
Recommended Max. PV input power	425000W	433500W
Max. DC power for single MPPT		36000W
Max. input voltage		1500V
Rated input voltage		1160V
Start-up voltage		550V
MPPT operating voltage range		500V-1500V
Full power MPPT voltage range		800V-1300V
Number of MPP trackers		12
Number of DC inputs		2 for each MPPT
Max. input MPPT current		12×30A
Max. input short circuit current		12×50A
Output(AC)		
Rated output power (@40°C)	250000W	255000W
Max. output power	250000W	255000W
Max. apparent power	250000VA	255000VA
Max. output current	180.5A	184A
Rated output voltage		3/PE, 800V
Output voltage range		640-920V
Rated output frequency		50Hz / 60Hz
Output frequency range		45-55Hz / 55-65Hz
Active power adjustable range		0-100%
THDi		<3%
Power factor		0.8 leading - 0.8 lagging
Efficiency		
Max efficiency		99.02%
European efficiency		98.7%
Protection		
DC reverse polarity protection		Yes
Anti-islanding protection		Yes
Leakage current protection		Yes
Ground fault monitoring		Yes
PV-array string fault monitoring		Yes
DC switch		Yes
PID recovery		Yes
SPD		PV: type II , AC: type II
General Data		
Ambient temperature range		-25°C to +60°C
Topology		Transformerless
Degree of protection		IP66
Allowable relative humidity range		0-100%
Max. operating altitude		5000m (> 4000m derating)
Cooling		Smart air cooling
Dimension(W×H×D)		1100.5×713.5×368mm
Weight		99kg
Display		LCD & Bluetooth +APP
Communication		RS485 / PBUS / Wi-Fi / USB
Standard	EN/IEC 62109-1/2, EN/IEC 61000-6-2/-4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, EN 50530, VDE V 0126-1-1, VDE-AR-N 4110/4120, EN 50549, IEC 62910, ABNT NBR 16149/16150	

*All specifications are subject to change without notice.

SOFAR 250KTL-HV-PRO

250 kW

THREE-PHASE FOUR MPPTS



Product advantages

- Max. efficiency up to 99.02%
- IP66&C5 protection design for outdoor
- PID recovery
- Compatible with Al and Cu AC cables
- Type II SPD for both DC and AC side
- AC/DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function



Model	SOFAR 250KTL-HV-PRO
Input (DC)	
Max. PV input power	425000Wp
Max. DC power for single MPPT	36000W
Max. input voltage	1500V
Rated input voltage	1160V
Start-up voltage	550V
MPPT operating voltage range	500V-1500V
Full power MPPT voltage range	800V-1300V
Number of MPP trackers	4
Number of DC inputs	5 for each MPPT
Max. input MPPT current	4×100A
Max. input short circuit current	4×150A
Output(AC)	
Rated output power (@40°C)	250000W
Max. output power	250000W
Max. apparent power	250000VA
Max. output current	180.5A
Rated output voltage	3/PE, 800V
Output voltage range	640-920V
Rated output frequency	50Hz / 60Hz
Output frequency range	45-55Hz / 55-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging
Efficiency	
Max efficiency	99.02%
European efficiency	98.7%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
PID recovery	Yes
SPD	PV: type II, AC: type II
General Data	
Ambient temperature range	-25°C to +60°C
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0-100%
Max. operating altitude	5000m (> 4000m derating)
Cooling	Smart air cooling
Dimension(W×H×D)	1100.5×713.5×368mm
Weight	99kg
Display	LCD & Bluetooth +APP
Communication	RS485 / PBUS / Wi-Fi / USB
Standard	EN/IEC 62109-1/2, EN/IEC 61000-6-2/-4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, EN 50530, VDE V 0126-1-1, VDE-AR-N 4110/4120, EN 50549, IEC 62910, ABNT NBR 16149/16150

*All specifications are subject to change without notice.

SOFAR 333KTLX0

333 kW

THREE-PHASE EIGHT MPPTS



Product advantages

- Max. efficiency up to 99.05%
- High current input, compatible with 700Wp+ module
- IP66 & C5 protection design for outdoor
- Intelligent string breaking protection for high safety
- I-V curve scanning function



Model

**SOFAR
333KTLX0**

Input (DC)

Max. PV input power	566100W
Max. DC power for single MPPT	72000W
Max. input voltage	1500V
Rated input voltage	1160V
Start-up voltage	550V
MPPT operating voltage range	500V-1500V
Full power MPPT voltage range	860V-1300V
Number of MPP trackers	8
Number of DC inputs	4 for each MPPT
Max. input MPPT current	8×60A
Max. input short circuit current	8×100A

Output(AC)

Rated output power (@40°C)	333000W
Max. output power (@40°C)	333000W
Max. apparent power	333000VA
Max. output current	240.3A
Rated output voltage	3/PE, 800V
Output voltage range	640-920V
Rated output frequency	50 / 60Hz
Output frequency range	45-55Hz / 55-65Hz
Active power adjustable range	0-100%
THDi	<3%
Power factor	0.8 leading - 0.8 lagging

Efficiency

Max. efficiency	99.05%
European efficiency	98.80%

Protection

DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
DC switch	Yes
SPD	PV: type II, AC: type II

General Data

Ambient temperature range	-30°C to +60°C
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0-100%
Max. operating altitude	4000m
Cooling	Smart air cooling
Dimension(W×H×D)	1159×828×366mm
Weight	<113kg
Display	LED, Bluetooth +APP
Communication	RS485 / PBUS / USB

Standard EN/IEC 62109-1/2, EN/IEC 61000, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, ABNT NBR 16149/16150

*All specifications are subject to change without notice.



03 Smart Energy

STICK LOGGER

LSW-3



Product advantages

- Independent from inverter to protect parts inside the inverter eliminate potential problems
- Outdoor design, easier to replace faulty device
- Plug-and-play for easy installation, no external power supply needed
- IP65 design, adaptable to bad weather condition
- External light indicator, logging status at a glance
- User-friendly App platform to monitor yield performance anytime, anywhere

Model	LSW-3
General parameters	
Working voltage	DC 5V
Working power	1.5W
LED	3
Communication parameter	
Remote data interface	Wi-Fi
Flash memory	8MB
Connected inverters	1
Software parameter	
Serial communication rate	Default 9600bps(1200-115200bps adjustable)
Data acquisition interval	Default 5min(1-15min optional)
User configuration	AT+ instruction set
	Remote server
Firmware upgrade	Remote web
Environmental parameter	
Working temperature	-30 to +70°C
Working humidity	10%-90% (Condensation free)
Protection grade	IP65
Other	
	Real-time control, Data resume

*All specifications are subject to change without notice.



PSC100*

SOFAR COMMUNICATION MANAGER



Product advantages

- RS485, PBUS, Ethernet, Fiber-optic network
- Supports up to 60 inverters
- Supports dual-split, two-winding transformers and can be configured with dual PBUS modules
- Can be connected to a wide range of environmental collectors, electricity meters, box transformer, measurement and control equipment
- Built-in Surge protectors
- IP65 protection for long-term stable outdoor operation
- Supports remote/local batch upgrades and single unit upgrades
- Remote control, giving commands such as power settings



Model	PSC100*
General parameters	
Auxiliary power input	Voltage range 100Vac-240Vac; Frequency range: 50-60Hz
Communication mode	With inverters: RS485/PBUS With monitoring platforms: SFP/ETH
Max. number of connected devices	RS485: 60pcs, PBUS: 60pcs
Max. transmission distance	RS485:1000M, PBUS:1000M
PBUS (communication) voltage input	Voltage range: 320Vac-920Vac, Frequency range: 50H-60Hz
Fibre optic ports	Max. transmission distance: 20KM Interface method: LC
Protocol supported	MODBUS TCP/IEC103/IEC104/IEC51850
Environmental parameters	
Operating temperature	-30°C to +60°C
Storage and transport temperature	-40°C to +85°C
Operating altitude	≤4000m
Protection level	IP65
Relative humidity	<95%, Non-condensing
Surge Protection	AC Type II
Mechanical parameters	
Cooling methods	Natural cooling
Dimensions (W x D x H)	760 x 580 x 220mm
Weight	≤21.5kg
Compliance	
Certificates	IEC 61000-6-2/4, IEC 62109-1/2
Other	
Installation mode	Wall mounting / Flat mounting

* PSC100* including PSC100, PSC100A.
All specifications are subject to change without notice.

SOFAR COMMUNICATION MANAGER



Product advantages

- RS485, PBUS, Ethernet, Fiber-optic
- Supports up to 60 inverters
- Supports dual-split, two-winding transformers
- Can be connected to a wide range of environmental collectors, electricity meters, box transformer, measurement and control equipment
- Built-in Surge protectors
- Anti-PID function:
 Compensation can be performed simultaneously on photovoltaic module of inverters connected
 The PID module can achieve N/PE compensation based on the status of the inverter
- IP66 protection for long-term stable outdoor operation
- Supports remote/local firmware upgrade
- Remote control, giving commands such as power settings
- Local web configuration



Model	PSC300*
General parameters	
Auxiliary power input	Voltage range 100Vac-240Vac; Frequency range: 50-60Hz
Communication mode	With inverters: PBUS/RS485 With monitoring platforms: SFP/ETH
Max. number of connected devices	RS485: 60pcs, PBUS: 60pcs
Max. transmission distance	RS485:1000M, PBUS:1000M
PBUS (communication) voltage input	Voltage range: 320Vac-920Vac; Frequency range: 50H-60Hz
Anti-PID function input	Single phase AC input voltage: 220/230/240VAC, 50/60Hz; Single phase AC rated input voltage: 220VAC, 50/60Hz. Three phase AC output voltage: 380/400/415/440/480/800 VAC Three phase AC rated output voltage: 800 VAC DC output voltage: 250-500VDC (AC voltage: 380/400/415/440/480 VAC) 500-800VDC (AC voltage: 800 VAC)
Fiber-optic	Max. transmission distance: 20KM Interface method: LC
Protocol supported	MODBUS-TCP/IEC103/IEC104/IEC61850
Environmental parameters	
Operating temperature	-30°C to +60°C
Storage and transport temperature	-40°C to +85°C
Operating altitude	≤4000m
Protection level	IP66
Relative humidity	<95%, Non-condensing
Surge Protection	AC Type II
Mechanical parameters	
Cooling methods	Natural cooling
Dimensions (W x D x H)	660 x 776 x 265mm
Weight	≤35kg
Compliance	
Certificates	IEC 62109-1/2, IEC 61000-6-2/4, IEC 60529
Other	
Installation mode	Wall mounting / Flat mounting

* PSC300* Including PSC300, PSC300A.
All specifications are subject to change without notice.

CH1000

Control Hub



Product advantages

- Support monitoring via cloud or mobile APP. Device include inverter, battery, energy meter, EV charger, heat pump.
- Built-in EMS function include self-consumption, time of use mode, scheduled charging and discharging, VPP access.
- Emergency power off, millisecond power controlling.

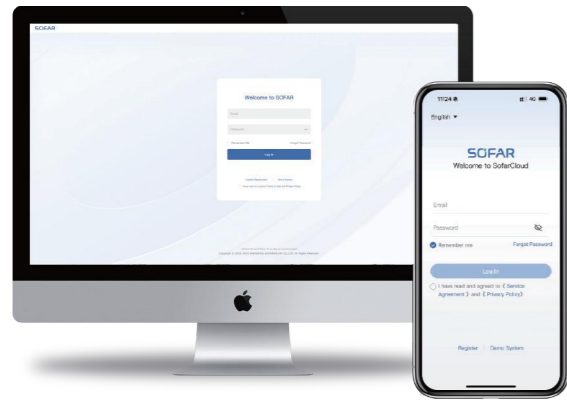


Model	CH1000
Communication to Inverter	
Max. number of connected devices	60pcs
To Residential & Commercial & Industrial inverter	RS485
Power Supply (Adapter)	
Type	External Adapter
Adapter input voltage/frequency	100 to 240 V AC / 50 or 60 Hz
Adapter output voltage/current	12V/2A
Power consumption	Typical. 5.0W
Internet Connection Options	
Wi-Fi	2.4G, 802.11b/g/n
Mobile	Optional, LTE CAT.4
Ethernet	RJ45 × 2, 10M/100Mbps
Other Interface	
RS485	COM × 3, Modbus-RTU
DRM	RJ45 × 1, DRM0/5/6/7/8
Analog Signal Input	×4, 4~20mA
Digital Signal Output	× 2, Dry Contact
Digital Signal Input	× 4, Dry Contact
Interaction	
LED	LED ×3
APP	SofarCloud
Mechanical Data	
Operating temperature range	-30 to +65°C
Environmental rating	IP20
Dimensions (L × W × H)	217 × 125 × 34mm
Weight	0.5kg
Altitude	3000m
Installation method	Wall mounting / Desktop mounting / DIN rail
Compliance	
Certificates	IEC61000-6-1/2/3/4, CE-RED, RoHS
Inverter Compatibility	
Inverter model	SOFAR 15-25KTLX-G3P / 15-37.5KTLX-G3-LV / 25-50KTLX-G3 / 40-75KTLX-G4-LV / 60-80KTLX-G3 / 100-125KTLX-G4 / 250-255KTL-HV / 250-350KTLX0

*All specifications are subject to change without notice.

SYSTEM MONITORING

Product advantages



Diverse Scenarios

- Integrated management of various SOFAR devices
- Adaptive display of system energy flows
- Remote real-time control of system and devices

Safe and efficient

- Mobile O&M, local device control via Bluetooth
- One-click device upgrade reduces maintenance time
- Minute monitoring and alarming plus professional online helpfunction, support to eliminate errors faster

User friendly

- 3 step system setup, plug-and-play device installation
- Hierarchical permission control, secure user data management
- Operating parameters can be easily adjusted to local requirements



Product Parameter	SofarCloud
Supported Devices	
Devices type	Inverter, Battery, Wallbox, Electricity meters, MVS, Environmental monitoring device and other devices in the plant
Acquisition Environment	
Acquisition devices	Stick logger, CH1000, Communication boxes and other acquisition devices
Acquisition interval	1...5 minutes
Acquisition methods	4G, WLAN, Ethernet
Client Environment	
Lowest browser version	Chrome 87, Edge 88, Safari 14, Firefox 78
Lowest system version	Android 8.0, iOS 12.4
Browser resolution	1440 * 900, 1920 * 1080 (recommended)
Mobile device resolution	Supported all major resolutions
Languages	Multilingual
System Parameter	
Years of data retention	Can be customised according to requirements

*All specifications are subject to change without notice.

Support SOFAR'S products



Support third-party products



Functions		Web	APP
Demo System	Experience Power Station	•	•
Home	Data Board	•	•
	Alarm	•	•
Plant	Plant List	•	•
	Plant Detail	•	•
	Create Plant	•	•
Device	Device List	•	•
	Device Detail	•	•
	Remote Upgrade	•	•
	Remote Setting	•	•
Maintenance	Account Management	•	-
	Device Management	•	-
	Local O&M	-	•

*All specifications are subject to change without notice.



