

Grid-connected inverters

Model Solartec 1500

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 96.5%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 1500	Specifications	Solartec 1500
Input data		DC switch	Yes
Max. DC power	1750W	Short-circuit proof	Yes
Max. DC voltage	450V	Ground fault monitoring	Yes
Recommended system voltage	360V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	200V-360V	Over-current protection	Yes
PV voltage range MPPT	110V-430V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	9A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/155
Number of MPP trackers	1	Weight	14 kg
Max. number of strings	1	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	1500W	Noise development	<30 dB (A)
Max.AC power	1650W	Power Consumption Night	< 0.2W
Max. output current	9A	Power Consumption Standby	4W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	96.5%	AC connections	plug connector
Euro efficiency	95.0%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	CE/VDE/AS/ENEL/G83/CGC

Model Solartec 2000

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 96.5%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 2000	Specifications	Solartec 2000
Input data		DC switch	Yes
Max. DC power	2320W	Short-circuit proof	Yes
Max. DC voltage	500V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	250V-400V	Over-current protection	Yes
PV voltage range MPPT	110V-480V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	10A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/155
Number of MPP trackers	1	Weight	14 kg
Max. number of strings	1	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	2000W	Noise development	<30 dB (A)
Max.AC power	2200W	Power Consumption Night	< 0.2W
Max. output current	12A	Power Consumption Standby	5W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	96.5%	AC connections	plug connector
Euro efficiency	95.5%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	CE/DE/AS/ENEL/G83/CGC

Model Solartec 2500

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 96.6%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 2500	Specifications	Solartec 2500
Input data		DC switch	Yes
Max. DC power	2890W	Short-circuit proof	Yes
Max. DC voltage	500V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	235V-400V	Over-current protection	Yes
PV voltage range MPPT	110V-480V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	13A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/155
Number of MPP trackers	1	Weight	14 kg
Max. number of strings	2	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	2500W	Noise development	<30 dB (A)
Max.AC power	2750W	Power Consumption Night	< 0.2W
Max. output current	16A	Power Consumption Standby	5W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	96.6%	AC connections	plug connector
Euro efficiency	95.5%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	G83/CE

Model Solartec 3000

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 96.6%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 3000	Specifications	Solartec 3000
Input data		DC switch	Yes
Max. DC power	3160W	Short-circuit proof	Yes
Max. DC voltage	500V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	250V-400V	Over-current protection	Yes
PV voltage range MPPT	110V-480V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	13A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/155
Number of MPP trackers	1	Weight	14 kg
Max. number of strings	2	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	2800W	Noise development	<30 dB (A)
Max.AC power	3000W	Power Consumption Night	< 0.2W
Max. output current	16A	Power Consumption Standby	5W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	96.6%	AC connections	plug connector
Euro efficiency	95.5%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	CE/DE/AS/ENEL/G83/CGC

Model Solartec 3600

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 97.5%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 3600	Specifications	Solartec 3600
Input data		DC switch	Yes
Max. DC power	4150W	Short-circuit proof	Yes
Max. DC voltage	550V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	230V-440V	Over-current protection	Yes
PV voltage range MPPT	110V-530V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	18A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/155
Number of MPP trackers	1	Weight	14 kg
Max. number of strings	3	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	3600W	Noise development	<30 dB (A)
Max.AC power	3600W	Power Consumption Night	< 0.2W
Max. output current	16A	Power Consumption Standby	5W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	97.5%	AC connections	plug connector
Euro efficiency	97.0%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	G83/CE

Model Solartec 4000

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 97.5%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 4000	Specifications	Solartec 4000
Input data		DC switch	Yes
Max. DC power	4540W	Short-circuit proof	Yes
Max. DC voltage	550V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	250V-440V	Over-current protection	Yes
PV voltage range MPPT	110V-530V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	19A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/194
Number of MPP trackers	1	Weight	18.4kg
Max. number of strings	3	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	4000W	Noise development	<30 dB (A)
Max.AC power	4400W	Power Consumption Night	< 0.2W
Max. output current	23A	Power Consumption Standby	5W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	97.5%	AC connections	plug connector
Euro efficiency	97.0%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	CE/DE/AS/ENEL/G59/CGC

Model Solartec 4600

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 97.6%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 4600	Specifications	Solartec 4600
Input data		DC switch	Yes
Max. DC power	4770W	Short-circuit proof	Yes
Max. DC voltage	550V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	280V-440V	Over-current protection	Yes
PV voltage range MPPT	110V-530V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	18A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/194
Number of MPP trackers	1	Weight	18.4kg
Max. number of strings	3	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	4600W	Noise development	<30 dB (A)
Max.AC power	4600W	Power Consumption Night	< 0.2W
Max. output current	23A	Power Consumption Standby	6W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	97.6%	AC connections	plug connector
Euro efficiency	97.0%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	VDE0126/CE

Model Solartec 5000

The KLNE Solartec series of small grid-connected inverter works in the 1KW-5KW power range and is mainly applied in a small home grid-connected PV power generation system.

Features

- The maximum efficiency of the inverter can reach 97.6%
- MPPT efficiency: 99.5%
- Non-fan design
- Internal GFCI device
- Built-in leakage current protection device
- IP65 protection
- Transformer-less design
- Integrated DC switch
- RS232 & RS485 communication
- Meets RoHS
- Designed for hanging with simple and easy installation
- LCD backlight can be easily turned on by pressing a button so that users can read it easily.



Specifications

Specifications	Solartec 5000	Specifications	Solartec 5000
Input data		DC switch	Yes
Max. DC power	5200W	Short-circuit proof	Yes
Max. DC voltage	550V	Ground fault monitoring	Yes
Recommended system voltage	383V	Grid monitoring	Yes
System start-up voltage	150V	Over-voltage protection	Yes
Full load voltage range MPPT	280V-440V	Over-current protection	Yes
PV voltage range MPPT	110V-530V	Active anti-islanding	Yes
Shutdown voltage	70V	Ground fault current detection	Yes
Max. input current	19A	General data	
DC voltage ripple	< 5%	Dimensions(width x height x depth)	360/500/194
Number of MPP trackers	1	Weight	18.4kg
Max. number of strings	3	Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Output data		Working altitude	<3000M
Nominal AC output	4900W	Noise development	<30 dB (A)
Max.AC power	4900W	Power Consumption Night	< 0.2W
Max. output current	23A	Power Consumption Standby	6W
THD of AC current	< 3%	Topological structure	transformerless
Nominal grid voltage range	220V/230V/240V	Cooling	free convection
Nominal grid frequency	50Hz	IP degree of protection	IP65
Power factor (cos φ)	0.99	Features	
Number of feed-in phases	single-phase	On/off mode	Auto
Efficiency		DC connections	MC4
Max. efficiency	97.6%	AC connections	plug connector
Euro efficiency	97.0%	Display	LCD/LED
MPPT efficiency	99.5%	Accessory interfaces	RS485/RS232
Device protection		Standard warranty	7 years
Reverse polarity protection	short-circuit diode	Certificates	CE/VDE/AS/ENEL/G59/CGC