

## 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
<b>Input data</b>		<b>DC switch</b>	
Max. DC power	3180W	DC switch	Yes
Max. DC voltage	500V	Short-circuit proof	Yes
Recommended battery pack voltage	383V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	250V-400V	Over-voltage protection	Yes
PV voltage range MPPT	110V-480V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	13A	Ground fault current detection	Yes
DC voltage ripple	< 5%	<b>General data</b>	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/155
Max. number of strings	2	Weight	14 kg
<b>Output data</b>		Ambient temperature	-25℃ to +60℃(Power derating above 45℃)
Nominal AC output	2800W	Working altitude	<3000M
Max.AC power	3000W	Noise development	<30 dB (A)
Max. output current	16A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	5W
Nominal grid voltage range	220V/230V/240V	Topological structure	transformerless
Nominal grid frequency	50Hz	Cooling	free convection
Power factor (cos φ)	0.99	IP degree of protection	IP65
Number of feed-in phases	single-phase	<b>Features</b>	
<b>Efficiency</b>		On/off mode	Auto
Max. efficiency	96.6%	DC connections	MC4
Euro efficiency	95.5%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
<b>Device protection</b>		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		Certificates	CE/VDE/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
<b>Input data</b>		<b>DC switch</b>	
Max. DC power	4150W	DC switch	Yes
Max. DC voltage	550V	Short-circuit proof	Yes
Recommended battery pack voltage	383V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	230V-440V	Over-voltage protection	Yes
PV voltage range MPPT	110V-530V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	18A	Ground fault current detection	Yes
DC voltage ripple	< 5%	<b>General data</b>	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/155
Max. number of strings	3	Weight	14 kg
<b>Output data</b>		Ambient temperature	-25℃ to +80℃(Power derating above 45℃)
Nominal AC output	3600W	Working altitude	<3000M
Max.AC power	3600W	Noise development	<30 dB (A)
Max. output current	18A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	5W
Nominal grid voltage range	220V/230V/240V	Topological structure	transformerless
Nominal grid frequency	50Hz	Cooling	free convection
Power factor (cos φ)	0.99	IP degree of protection	IP65
Number of feed-in phases	single-phase	<b>Features</b>	
<b>Efficiency</b>		On/off mode	Auto
Max. efficiency	97.5%	DC connections	MC4
Euro efficiency	97.0%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
<b>Device protection</b>		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		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
<b>Input data</b>		<b>DC switch</b>	
Max. DC power	4540W	DC switch	Yes
Max. DC voltage	550V	Short-circuit proof	Yes
Recommended battery pack voltage	383V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	250V-440V	Over-voltage protection	Yes
PV voltage range MPPT	110V-530V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	19A	Ground fault current detection	Yes
DC voltage ripple	< 5%	<b>General data</b>	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/194
Max. number of strings	3	Weight	18.4kg
<b>Output data</b>		Ambient temperature	-25℃ to +60℃(Power derating above 45℃)
Nominal AC output	4000W	Working altitude	<3000M
Max.AC power	4400W	Noise development	<30 dB (A)
Max. output current	23A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	5W
Nominal grid voltage range	220V/230V/240V	Topological structure	transformerless
Nominal grid frequency	50Hz	Cooling	free convection
Power factor (cos φ)	0.99	IP degree of protection	IP65
Number of feed-in phases	single-phase	<b>Features</b>	
<b>Efficiency</b>		On/off mode	Auto
Max. efficiency	97.5%	DC connections	MC4
Euro efficiency	97.0%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
<b>Device protection</b>		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		Certificates	CE/VDE/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
<b>Input data</b>		<b>DC switch</b>	
Max. DC power	4770W	DC switch	Yes
Max. DC voltage	550V	Short-circuit proof	Yes
Recommended battery pack voltage	383V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	280V-440V	Over-voltage protection	Yes
PV voltage range MPPT	110V-530V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	18A	Ground fault current detection	Yes
DC voltage ripple	< 5%	<b>General data</b>	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/194
Max. number of strings	3	Weight	18.4kg
<b>Output data</b>		Ambient temperature	-25℃ to +60℃(Power derating above 45℃)
Nominal AC output	4600W	Working altitude	<3000M
Max.AC power	4600W	Noise development	<30 dB (A)
Max. output current	23A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	6W
Nominal grid voltage range	220V/230V/240V	Topological structure	transformerless
Nominal grid frequency	50Hz	Cooling	free convection
Power factor (cos φ)	0.99	IP degree of protection	IP65
Number of feed-in phases	single-phase	<b>Features</b>	
<b>Efficiency</b>		On/off mode	Auto
Max. efficiency	97.6%	DC connections	MC4
Euro efficiency	97.0%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
<b>Device protection</b>		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		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
<b>Input data</b>		<b>DC switch</b>	
Max. DC power	5200W	DC switch	Yes
Max. DC voltage	550V	Short-circuit proof	Yes
Recommended battery pack voltage	383V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	280V-440V	Over-voltage protection	Yes
PV voltage range MPPT	110V-530V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	19A	Ground fault current detection	Yes
DC voltage ripple	< 5%	<b>General data</b>	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/194
Max. number of strings	3	Weight	18.4kg
<b>Output data</b>		Ambient temperature	-25℃ to +60℃(Power derating above 45℃)
Nominal AC output	4900W	Working altitude	<3000M
Max.AC power	4900W	Noise development	<30 dB (A)
Max. output current	23A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	6W
Nominal grid voltage range	220V/230V/240V	Topological structure	transformerless
Nominal grid frequency	50Hz	Cooling	free convection
Power factor (cos φ)	0.99	IP degree of protection	IP65
Number of feed-in phases	single-phase	<b>Features</b>	
<b>Efficiency</b>		On/off mode	Auto
Max. efficiency	97.6%	DC connections	MC4
Euro efficiency	97.0%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
<b>Device protection</b>		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		Certificates	CE/VDE/AS/ENEL/G59/CGC