

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	
Max. DC power	1750W	DC switch	Yes
Max. DC voltage	450V	Short-circuit proof	Yes
Recommended system voltage	360V	Ground fault monitoring	Yes
System start-up voltage	150V	Grid monitoring	Yes
Full load voltage range MPPT	200V-360V	Over-voltage protection	Yes
PV voltage range MPPT	110V-430V	Over-current protection	Yes
Shutdown voltage	70V	Active anti-islanding	Yes
Max. input current	9A	Ground fault current detection	Yes
DC voltage ripple	< 5%	General data	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/155
Max. number of strings	1	Weight	14 kg
Output data		Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Nominal AC output	1500W	Working altitude	<3000M
Max.AC power	1650W	Noise development	<30 dB (A)
Max. output current	9A	Power Consumption Night	< 0.2W
THD of AC current	< 3%	Power Consumption Standby	4W
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	Features	
Efficiency		On/off mode	Auto
Max. efficiency	96.5%	DC connections	MC4
Euro efficiency	95.0%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
Device protection		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		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	
Max. DC power	2320W	DC switch	Yes
Max. DC voltage	500V	Short-circuit proof	Yes
Recommended system 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	10A	Ground fault current detection	Yes
DC voltage ripple	< 5%	General data	
Number of MPP trackers	1	Dimensions(width x height x depth)	360/500/155
Max. number of strings	1	Weight	14 kg
Output data		Ambient temperature	-25℃ to +60℃ (Power derating above 45℃)
Nominal AC output	2000W	Working altitude	<3000M
Max.AC power	2200W	Noise development	<30 dB (A)
Max. output current	12A	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	Features	
Efficiency		On/off mode	Auto
Max. efficiency	96.5%	DC connections	MC4
Euro efficiency	95.5%	AC connections	plug connector
MPPT efficiency	99.5%	Display	LCD/LED
Device protection		Accessory interfaces	RS485/RS232
Reverse polarity protection	short-circuit diode	Standard warranty	7 years
		Certificates	CE/VDE/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