

## NL Series Portable Solar Power System

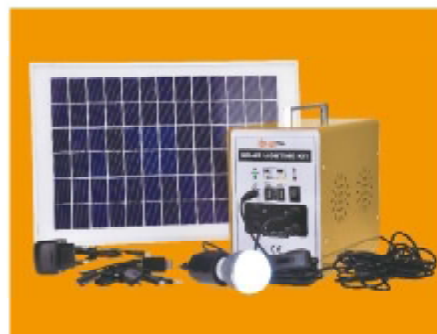
### Key Features:

- Portable and easy operation.
- DC output system with multiple interface can satisfy various demands.
- Charging and discharge independently.
- All controls adopt industrial chip and precision components, which can work normally in cold, high temperature, moisture condition.
- This system can be charged by AC adaptor also. User can use solar panel charge for battery and also user can choose the AC adaptor.



### Model choose sheet

	Model	NL5007
Solar light kit	System voltage	12V
	Max.charge current	5A
	Double USB port	5V2.1A
	Solar&AC input	both
	DC 12V output port	2pcs or 3pcs or 4pcs
Solar panel	18V with 6m cable	max.50w(10w,15w,20w,30w optional)
Storage battery	12V lead acid battery	7Ah
AC charging adaptor	Input 100-240V,14.5V2A	optional
USB charger adaptor	10 different connectors	optional
Lighting source	LED bulbs 3W	2pcs or 3pcs or 4pcs
	Lighting cable with holder	2pcs or 3pcs or 4pcs
Unit size		20*11*15cm



### Model choose sheet

	Model	NL5026
Solar light kit	System voltage	12V
	Max.charge current	5A
	Double USB port	5V2.1A
	Solar&AC input	both
	DC 12V output port	4pcs or 6pcs
Solar panel	18V with 6m cable	max.50w(10w,15w,20w,30w optional)
Storage battery	12V lead acid battery	26Ah
AC charging adaptor	Input 100-240V,14.5V2A	optional
USB charger adaptor	10 different connectors	optional
Lighting source	LED bulbs 3W	4pcs or 6pcs
	Lighting cable with holder	4pcs or 6pcs
Unit size		23*13.5*22cm

## Micro Inverter SVT Series 250W-500W



The SVT248 Microinverter as a cutting-edge spokesman for the microinverters in the new era, has full sincerity and devotion to stability, details and more advanced tech. SVT248 seeks to enable best improved solar energy harvest, highest possible reliability, much simplified installation and most efficient management of solar power systems.

Each SVT248 is individually connected to one solar panel with every MPPT(Maximum Power Point Tracking) respectively for every panel. This unique configuration minimizes the negative impact from environment such as shading, dust, orientation or panel aging and eliminates the possibility of single-point failure, thus improving the system's harvest to the largest extent.

### Key Features:

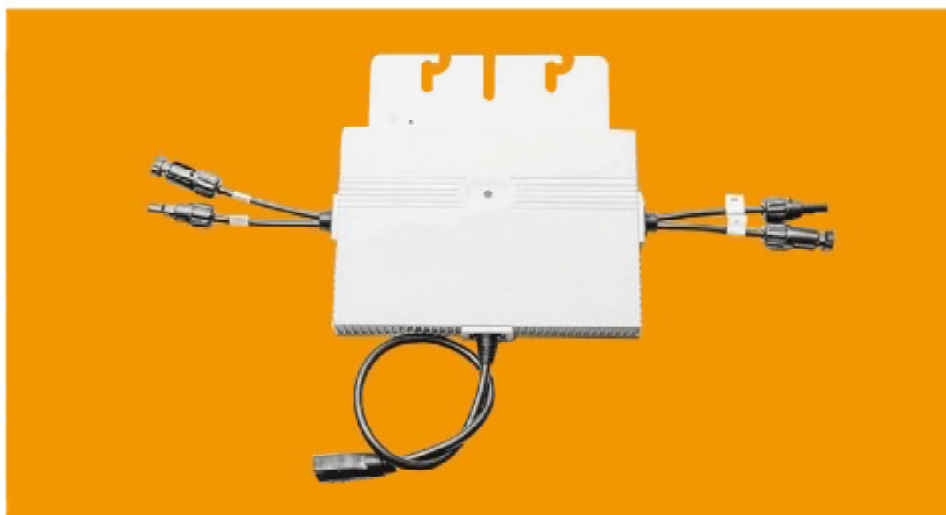
- High-quality energy harvest with high MPPT accuracy.
- Concentrated reliability and stability.
- No single-point failure.
- Improved safety with integrated complete set of protection functions.
- Lifetime free remote monitoring at solar panel's level.
- Flexibly adapted to almost all 60-cell or 72-cell panels.
- Easy installation.
- Long life time.

### Technical Data

Model	SVT248
Input Data (DC)	
Recommended maximum input power (STC)	250W
Maximum input DC voltage	54V
Start voltage	24V
Peak power tracking range	28V-42V
Operating range	18V-54V
Maximum DC short circuit current	15A
Maximum input current	9.5A
Output Data (AC)	
Rated output power	248W
Maximum output current	1.07A
Nominal voltage	220V/230V/240V
Nominal frequency	50Hz/60Hz
Power factor	>0.99
Total Harmonic Distortion	<3%
Maximum units per branch	20
Efficiency	
Peak inverter efficiency	95.60%
EURO weighted efficiency	95%(according to the EN50530)
Nighttime power consumption	100mW
Mechanical Data	
Enclosure environmental rating	IP65
Operating temperature range	-40°C ~ +65°C

## Micro Inverter

### SVT Series 250W-500W



The SVT500 Microinverter as a cutting-edge spokesman for the microinverters in the new era, has full sincerity and devotion to stability, details and more advanced tech. SVT500 seeks to enable best improved solar energy harvest, highest possible reliability, much simplified installation and most efficient management of solar power systems.

Each SVT500 is individually connected to two solar panels with two MPPT (Maximum Power Point Tracking) respectively for every panel. This unique configuration minimizes the negative impact from environment such as shading, dust, orientation or panel aging and eliminates the possibility of single-point failure, thus improving the system's harvest to largest extent.

### Key Features:

- ⊙ High-quality energy harvest with high MPPT accuracy.
- ⊙ Concentrated reliability and stability.
- ⊙ No single-point failure.
- ⊙ Improved safety with integrated complete set of protection functions.
- ⊙ Lifetime free remote monitoring at solar panel's level.
- ⊙ Flexibly adapted to almost all 60-cell and 72-cell panels.
- ⊙ Easy installation.
- ⊙ Long life time.

## Technical Data

Model	SVT500
<b>Input Data (DC)</b>	
Recommended maximum input power (STC)	300W*2
Maximum input DC voltage	54V
Start voltage	24V
Peak power tracking range	28V ~ 42V
Operating range	18V ~ 54V
Maximum DC short circuit current	15A
Maximum input current	9.5A*2
<b>Output Data (AC)</b>	
Maximum output power	500W
Rated output power	500W
Maximum output current	2.17A
Nominal voltage	220V/230V/240V
Nominal frequency	50Hz/60Hz
Power factor	>0.99
Total Harmonic Distortion	<3%
Maximum units per branch	10
<b>Efficiency</b>	
Peak inverter efficiency	95.80%
EURO weighted efficiency	95.1% (according to EN50530)
Nighttime power consumption	120mW
<b>Mechanical Data</b>	
Enclosure environmental rating	IP65
Operating temperature range	-40°C ~ +65 °C
Dimensions (WxHxD)	248mm*172mm*27.5mm (Without bracket)
	248mm*238mm*27.5mm (With bracket)
Weight	2.4Kg
<b>Features</b>	
Communication	PLCC (Power Line Carrier Communication)
Compliance	VDE-AR-N 4105, VDE 0126-1-1, G832, UTE C15-712-1, AS4777, EN50438, EN62109, EN61000
Warranty	25 Years