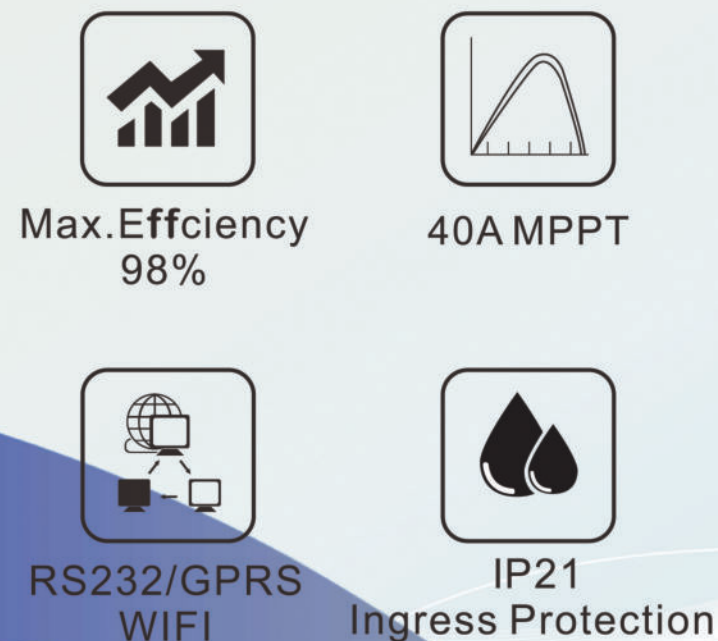


HYBRID SOLAR INVERTER



Features

- Pure sine wave solar inverter
- Output power factor 0.8
- Wifi&GPRS available for IOS and android
- Built-in 40A MPPT solar charger
- High PV input voltage range (30-150VDC)
- Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- meet the rich customize needs of customers
- Compatible with lithium battery
- Solar energy is provided directly to the load first

»» Product Data Sheet

Model	SY-1K12
RATED POWER	1000VA/800W
AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170-280VAC(For Personal Computers) 90-280VAC(For Home Appliances)
Frequency Range	50Hz/60Hz(Auto sensing)
AC OUTPUT	
AC Voltage Regulation	230VAC±5%
Efficiency(Peak)PV to INV	98%
Efficiency(Peak)Battery to INV	94%
Transfer Time	ms(for personal computers); 20ms (for home appliance)
BATTERY & AC CHARGER	
Battery Voltage	12VDC
Floating Charge Voltage	13.5VDC
Overcharge Protection	16VDC
Maximum AC Charge Current	40A
SOLAR CHARGER	
Maximum PV Array Power	550W(12V)/1100W(24V)
MPPT Range @ Operating Voltage	30-150VDC
Maximum PV Array Open Circuit Voltage	150VDC
Maximum Charging Current	40A
PHYSICAL	
Dimension, D*W*H(mm)	300*235* 85
Cartoon Dimension, D*W*H(mm)	340*275*145
Net Weight(kgs)	3.6
Gross Weight(kgs)	4.2
Communication Interface	RS232/GPRS/WIFI
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non -condensing)
Operating Temperature	-10~50°C

SY3.2K SERIESMax.Efficiency
98%

80A MPPT

RS232/GPRS
WIFIIP21
Ingress Protection

Features

- Pure sine wave solar inverter
- Output power factor SY2.0K=0.8/SY3.2K>0.9
- Wifi&GPRS available for IOS and android
- Built-in 80A MPPT solar charger
- High PV input voltage range(30-400VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- meet the rich customize needs of customers
- Compatible with lithium battery
- Solar energy is provided directly to the load first

Model	SY3.2K
RATED POWER	3200VA/3000W
AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(For Personal Computers) 90~280VAC(For Home Appliances)
Frequency Range	50 Hz/60Hz(Auto sensing)
AC OUTPUT	
AC Voltage Regulation	230VAC±5%
Surge Power	6400VA
Efficiency(Peak)PV to INV	98%
Efficiency(Peak)Battery to INV	94%
Transfer Time	0 ms (For Personal Computers);20 ms (For Home Appliance)
BATTERY & AC CHARGER	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
Overcharge Protection	33VDC
Maximum AC Charge Current	60A
SOLAR CHARGER	
Maximum PV Array Power	3000W
MPPT Range @ Operating Voltage	30-400VDC
Maximum PV Array Open Circuit Voltage	400VDC
Maximum Charging Current	80A
PHYSICAL	
Dimension, D*W*H(mm)	370*280*100
Cartoon Dimension, D X W XH(mm)	440*340*180
Net Weight(kgs)	5.3
Gross Weight(kgs)	6.0
communication Interface	RS232/GPRS/WIFI
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity(Non -condensing)
Operating Temperature	-10~50°C

SY3.6K**SERIES**

Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 80A
- MPPT:Max 6500W(3.6KW)
- High PV input voltage range(60~450VDC) Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

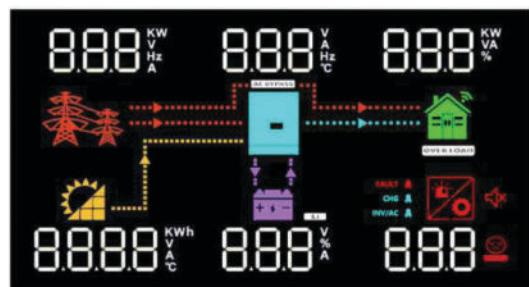


RGB LIGHT

RGB lighting for different working mode
RGB automatically switches with the



LCD Display



WIFI&GPRS available for ios and Android



ON/OFF GRID SOLAR INVERTER

MODEL	SY3.6K
Maximum PV Input Power	6500W
Rated Output Power	3600W
Maximum Solar Charging Current	80A
GRID-TIE OPERATION	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
Maximum DC Voltage	60~450VDC
Number of MPPT Trackers/Maximum Input Curr	1/22A
GRID OUTPUT	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	15.7A
Power Factor	>0.99
Feed-in Grid Frequency Range	49~51±1Hz
EFFICIENCY	
Maximum conversion Efficiency (Solar to AC)	98%
TWO LOAD OUTPUT POWER (V2.0)	
Full Load	3600W
Maximum Main Load	3600W
Maximum Second Load(battery mode)	1200W
Main Load Cut Off Voltage	44VDC
Main Load Return Voltage	52VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VA
Maximum AC Input Current	40A
Nominal operating frequency	50/60Hz
Surge power	7200W
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Maximum Charging Current (Solar to AC)	80A
Maximum AC Charging Current	60A
GENERAL	
PHYSICAL	
Dimension,D X W X H(mm)	440*355*115
Carton Dimension, D X W X H(mm)	505*420*190
Dimensions of mounting holes(mm)	185-Ø5x2
Net Weight(kgs)	7.2
Gross Weight(kgs)	8.3
INTERFACE	
Communication Port	RS232/WI FI /GPRS
ENVIRONMENT	
Operating Temperature	-10~50°C

SY6.2K
SERIES


Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A
- MPPT:Max 4200W(for 4.2KW)
Max 6500W(for 6.2KW)solar charge
- High PV input voltage range(60~450VDC) Built-in anti-dusk kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

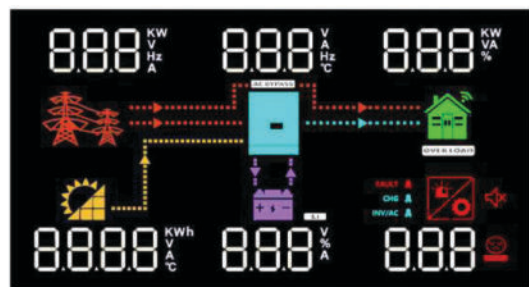


RGB LIGHT

RGB lighting for different working mode
RGB automatically switches with the



LCD Display



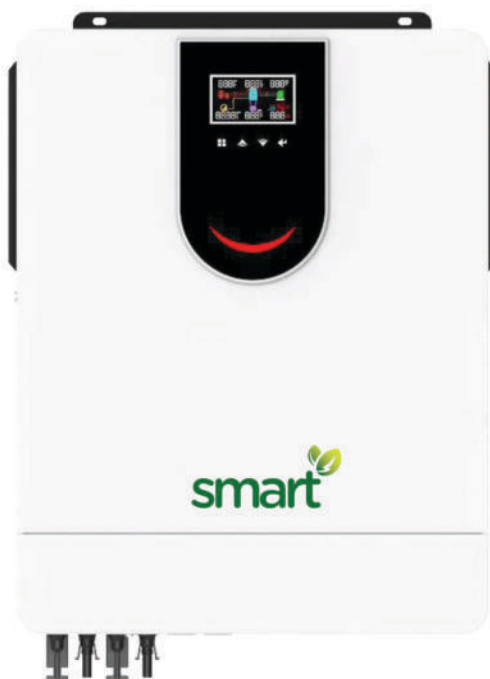
WIFI&GPRS available for ios and Android



ON/OFF GRID SOLAR INVERTER

MODEL	SY6.2KW
Phase	1-phase
Maximum PV Input Power	6500W
Rated Output Power	6200W
Maximum Solar Charging Current	120A
GRID-TIE OPERATION	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
Maximum DC Voltage	60~450VDC
Number of MPPT Trackers/Maximum Input Curr	1/27A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	27.0A
Power Factor	>0.99
Feed-in Grid Frequency Range	49~51±1Hz
EFFICIANCY	
Maximum Conversion Efficiency (Solar to AC)	98%
TWO LOAD OUTPUT POWER (V2.0)	
Full Load	6200W
Maximum Main Load	6200W
Maximum Second Load(battery mode)	2067W
Main Load Cut Off Voltage	44VDC
Main Load Return Voltage	54VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	40A
Nominal operating frequency	50/60Hz
Surge power	12400 W
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Maximum Charging Current (Solar to AC)	120A
Maximum AC Charging Current	100A
GENERAL	
PHYSICAL	
Dimension,D X W x H(mm)	440*355*115
Cartoon Dimension, D X W XH(mm)	500*420*185
Net Weight(kgs)	9.8
Gross Weight(kgs)	11
INTERFACE	
Communication Port	RS232/WIFI /GPRS
ENVIRONMENT	
Operating Temperature	-10~50°C

SY10.2K SERIES



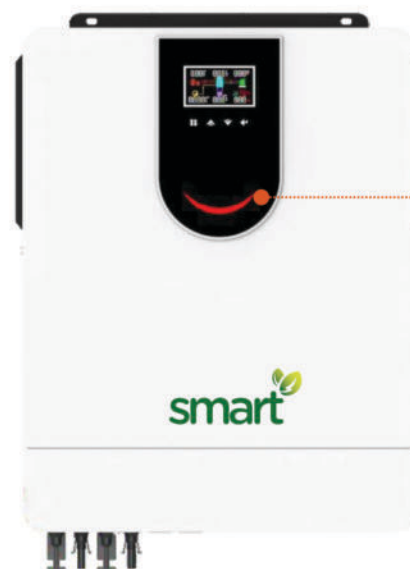
Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter running without battery
- One-click restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger
- High PV input voltage range(90~450VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Touch button

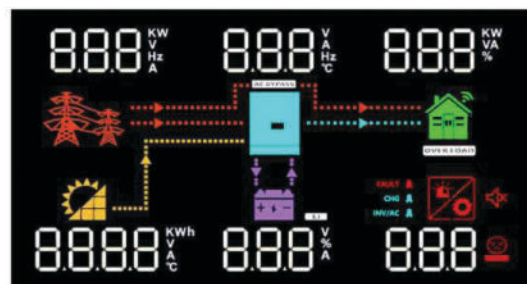


RGB LIGHT

RGB lighting for different working mode
RGB automatically switches with the



LCD Display



WIFI&GPRS available for ios and Android



ON/OFF GRID SOLAR INVERTER

MODEL+A1:B43	SY10.2KW
Maximum PV Input Power	10200W
Rated Output Power	10200A/10200VA
Maximum Solar Charging Current	160A
GRID-TIE OPERATION	
PV Input(DC)	
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC
Maximum DC Voltage	90VDC~450VDC
Number of MPPT Trackers/Maximum Input Current	1/27A
GRID OUTPUT(AC)	
Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195~253VAC
Nominal Output Current	44.3A
Power Factor	>0.99
Feed-in Grid Frequency Range	49~51±1Hz
EFFICIENCY	
Maximum Conversion Efficiency (Solar to AC)	98%
TWO LOAD OUTPUT POWER (V2.0)	
Full Load	10200W
Maximum Main Load	10200W
Maximum Second Load(battery mode)	3400W
Main Load Cut Off Voltage	44VDC
Main Load Return Voltage	48VDC
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	280VAC or 170-280VAC
Maximum AC Input Current	50A
Nominal operating frequency	50/60Hz
Surge power	20400W
PV INPUT (DC)	
Maximum DC Voltage	500VDC
MPPT Voltage Range	Pure sine wave
Number of MPPT Trackers/Maximum Input Current	1/27A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	48VDC
Output Waveform	Pure sine wave
Efficiency(DC to AC)	94%
BATTERY & CHARGER	
Nominal DC Voltage	48VDC
Maximum Charging Current (Solar to AC)	160A
Maximum AC Charging Current	160A
GENERAL	
PHYSICAL	
Dimension, D X W X H(mm)	555*405*135
Cartoon Dimension, D X W X H(mm)	590*465*215
Net Weight(kgs)	14.5
Gross Weight(kgs)	16
INTERFACE	
Communication Port	RS232/WIFI/Remove LCD/GPRS
ENVIRONMENT	
Operating Temperature	-10~50°C