

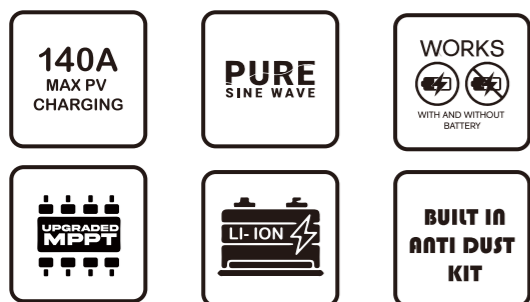
# HYBRID SOLAR INVERTER

## (AN-SCI02 PRO SERIES)



### Features of Module

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 120A(for 3.6KW/6.2KW)/140A(for 4.2KW)
- MPPT:Max 6200w(for 3.6kw/4.2kw),max 6500w (for 6.2kw) solar charge
- High PV input voltage range(90-500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life



### RGB LIGHT

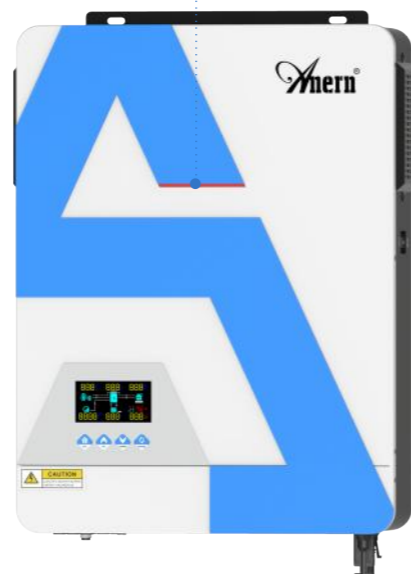
RGB lighting for different working mode

RGB automatically switches under different working modes

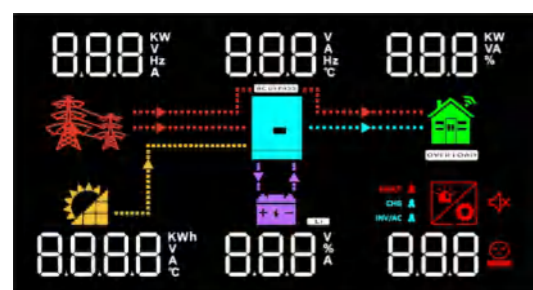
Battery mode: red;

Utility mode: blue;

PV mode: purple;



### LCD Display



### WIFI&GPRS available for ios and Android



Model	AN-SCI02-Pro-3600	AN-SCI02-Pro-4200	AN-SCI02-Pro-6200
Phase	1-phase		
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W	4200W	6200W
Maximum Solar Charging Current	120A	140A	120A
<b>GRID-TIE OPERATION</b>			
<b>PV Input(DC)</b>			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90-450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
<b>GRID OUTPUT(AC)</b>			
Nominal Output Voltage	200/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49-51±1Hz		
<b>EFFICIENCY</b>			
Maximum Conversion Efficiency( Solar to AC)	98%		
<b>OFF-GRID OPERATION</b>			
<b>AC INPUT</b>			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	30A	30A	40A
Nominal operating frequency	50/60Hz		
Surge power	7200W	8400W	12400W
<b>BATTERY MODE OUTPUT(AC)</b>			
Nominal Output Voltage	24VDC	24VDC	48VDC
Output Waveform	Pure sine wave		
Efficiency(DC to AC)	94%		
<b>BATTERY &amp; CHARGER</b>			
Nominal DC Voltage	24VDC	24VDC	48VDC
Maximum Charging Current (Solar to AC)	120A	140A	120A
Maximum AC Charging Current	100A		
<b>GENERAL</b>			
<b>PHYSICAL</b>			
Dimension,D*W*H(mm)	420*310*110		
Cartoon Dimension,D*W *H(mm)	590*390*208		
Net Weight(kgs)	8.8	9.3	9.8
Gross Weight(kgs)	10	11	11
<b>INTERFACE</b>			
Communication Port	RS232/WIFI/GPRS		
<b>ENVIRONMENT</b>			
Operating Temperature	-10-50°C		