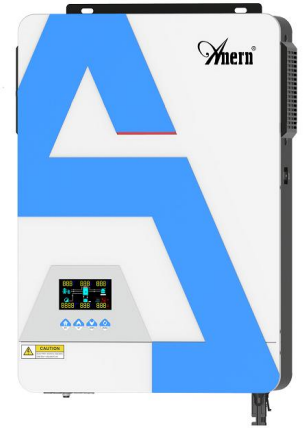


Anern Patented Solar Inverter (AN-SCI02-Pro series)

The AN-SCI02 Pro series all in one solar system is the perfect go-to solution for off-grid, backup power for homes, small business, and it also delivers a value added, easy to install system that provides efficient power globally for every need.

Key Features:

- ◆ Pure Sine Wave Inverter
- ◆ Self-consumption and feed-in to the grid.
- ◆ Configurable input voltage range for home appliances and personal computers via LCD setting
- ◆ Configurable AC Solar Charger priority via LCD setting
- ◆ Compatible to mains voltage or generator power
- ◆ Auto restart while AC is recovering
- ◆ Overload/ Over temperature/ short circuit protection
- ◆ Smart battery charger design for optimized battery performance
- ◆ Communicate with WIFI
- ◆ System configures quickly into compact, wall-mounted system.



Model	SCI02-Pro-3600	SCI02-Pro-4200	SCI02-Pro-6200
RATED POWER	3600W	4200W	6200W
INPUT			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers)		
	90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
OUTPUT			
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%		
Surge Power	7200VA	8400VA	12400VA
Efficiency (Peak) PV to INV.	97%		
Efficiency (Peak) Battery to INV.	94%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
BATTERY & AC CHARGER			
Battery Voltage	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	54 VDC
Overcharge Protection	33 VDC	33 VDC	63 VDC
SOLAR CHARGER			
Maximum PV Array Power	6200 W	6200W	6500 W
MPPT Range @ Operating Voltage	90 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum Charging Current	120A	140A	120A
Maximum Efficiency	98%		

Grid-Tie Operation			
Inverter Mode	3600W	4200W	6200W
Nominal Output Voltage	220/230/240VAC		
Feed-in Grid Voltage Range	195-253VAC		
Feed-in Grid Frequency Range	49-51±1Hz/59-61±1Hz		
Nominal Output Current	15.7A	18.2A	26.9A
Power Factor Range	>0.99		
PHYSICAL			
Dimension, D x W x H (mm)	100 x 300 x 444		
Net Weight (kgs)	10	10.5	11
Communication interface	WIFI		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non-condensing)		
Operating Temperature	0°C - 55°C		
Storage Temperature	-15°C - 60°C		
Warranty	2 years		