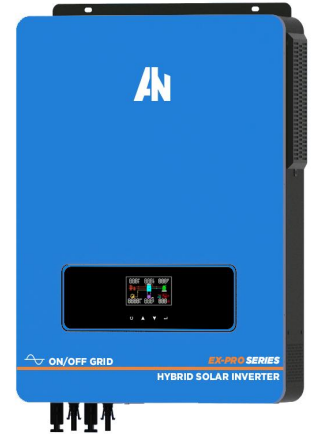


Anern Patented Solar Inverter (AN-EX-PRO series)-Sep, 2022

The AN-SCI02 Pro series all in one solar system is the perfect go-to solution for off-grid, back 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(on/off Grid)
- ◆ Self-consumption and feed-in to the grid
- ◆ Inverter running without battery
- ◆ One-click restoration to factory Settings
- ◆ Built-in Lithium battery automatic activation
- ◆ Built-in 160A(for 8.2KW/10.2KW)/140A(for 7.2KW)MPPT solar charger
- ◆ High PV input voltage range(90~500VDC)
- ◆ Built-in anti-dusk kit for harsh environment
- ◆ Communicate with WIFI for IOS and Android
- ◆ Dual PV Input and AC output
- ◆ Touch bottom



Model	EX-Pro-7200	EX-Pro-8200	EX-Pro-10200
Maximum PV Input Power	8200W	8200W	10200W
Rated Output Power	7200W	8200W	10200W
Maximum Solar Charging Current	140A	160A	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	500VDC		
MPPT Voltage Range	90V-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	31.3A	35.6A	44.3A
Efficiency (Peak) Battery to INV.	94%		
Power Factor	>0.99		
Feed-in Grid Frequency Range	49-51±1Hz/59-61±1Hz		
Two Load Output Power			
Full Load	7200W	8200W	10200W
Maximum Main Load	7200W	8200W	10200W
Maximum Second Load(battery mode)	2400W	2733W	3400W
Main Load Cut Off Voltage	44VDC	44VDC	44VDC
Main Load Return Voltage	48VDC	48VDC	48VDC
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	40A	50A
Nominal Operating Frequency	50/60Hz		
Surge Power	14400W	16400W	20400W
Battery Mode Output			
Nominal Output Voltage	48VDC	48VDC	48VDC
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	94%		
Battery & Charger			
Nominal DC Voltage	48VDC	48VDC	48VDC
Maximum Solar Charging Current	140A	160A	160A
Maximum AC Charging Current	120A	140A	160A
PHYSICAL			
Dimension, D x W x H (mm)	537*390*130mm		
Net Weight (kgs)	14.2	14.2	14.5
Communication interface	WIFI		
Warranty:	2 Years		