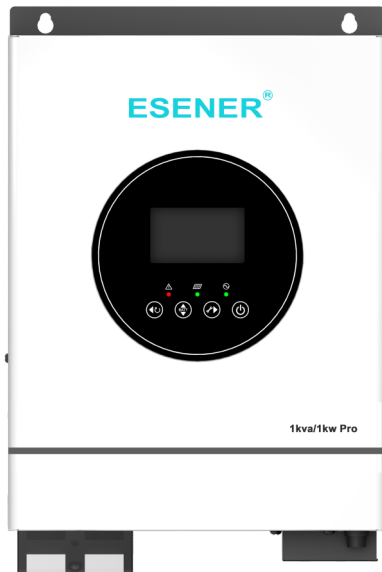


HIGH FREQUENCY SOLAR INVERTER ES-PRO Series

1KW | 12V | 40~60A



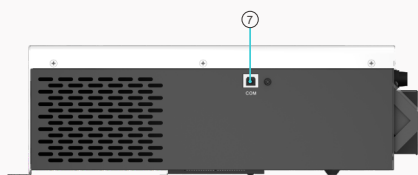
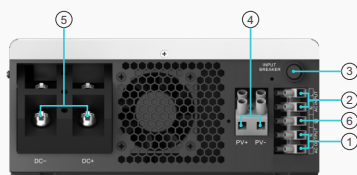
This is a multi-function inverter/charger, combining functions of inverter, MPPT 40A/60A solar charge controller and battery charger to offer uninterruptible power support with portable size. Its comprehensive LCD display offers user-configurable and easy-accessible button operation such as battery charging current, AC/solar charger priority, and acceptable input voltage based on different applications.



- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built in MPPT 40A/60A solar charge controller
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485, CAN monitoring function
- WIFI remote monitoring (optional)
- Compatible to generator
- PV/ AC activation function
- PC communication function

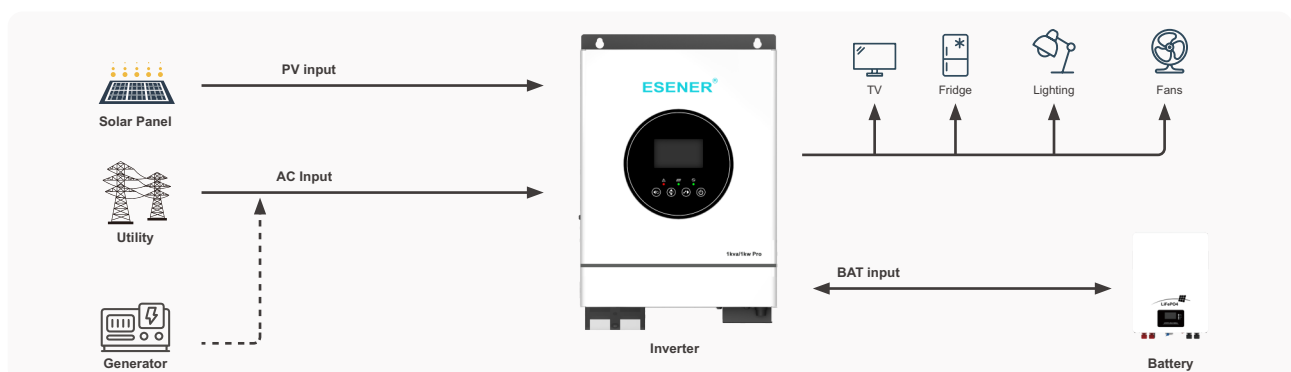
Back panel description

● 1KW



1. AC output
2. AC input
3. Circuit breaker
4. PV input
5. Battery input
6. Ground
7. PC communication port

Solar system connection



MODEL	ES-1KVA/1KW PRO
Default Battery System Voltage	12VDC
INVERTER OUTPUT	
Rated Power	1000VA/1000W
Surge Power	2000VA
Waveform	Pure sine wave
AC Voltage Regulation (Batt.Mode)	230VAC
Inverter Efficiency(Peak)	90%~93%
Transfer Time	10ms(UPS / VDE4105) / 20ms(APL)
AC INPUT	
Voltage	230VAC
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VDE)
Frequency Range	50Hz / 60Hz (Auto sensing)
BATTERY	
Normal voltage	12VDC
Floating Charge Voltage	13.8VDC
Overcharge Protection	15VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Open Circuit Voltage	105VDC
PV Array MPPT Voltage Range (Typ.)	15~75VDC
Standby Power Consumption	
Maximum PV Array Power	600W
Maximum Solar Charge Current	45A
Maximum Efficiency	
Maximum AC Charge Current	20A
Maximum Charge Current	65A
MECHANICAL SPECIFICATIONS	
Machine Dimension (W*H*D) (mm)	224*337*98
Package Dimension (W*H*D) (mm)	300*410*178
N.W (kg)	3.6
G.W (kg)	4.3
OTHER	
Humidity	5% to 95% Relativ Humidity (Non-condensing)
Operating Temperature	0°C~50°C
Storage Temperature	-15°C -60°C
Communication Interface	USB/WIFI (optional)
Warranty	1 year
CERTIFICATION & STANDARDS	

CE-EMC+LVD(EN6100-6-3, EN6100-6-1+EN IEC62109-1, EN IEC62109-2)

*The technical specifications of this document are subject to change without any notice