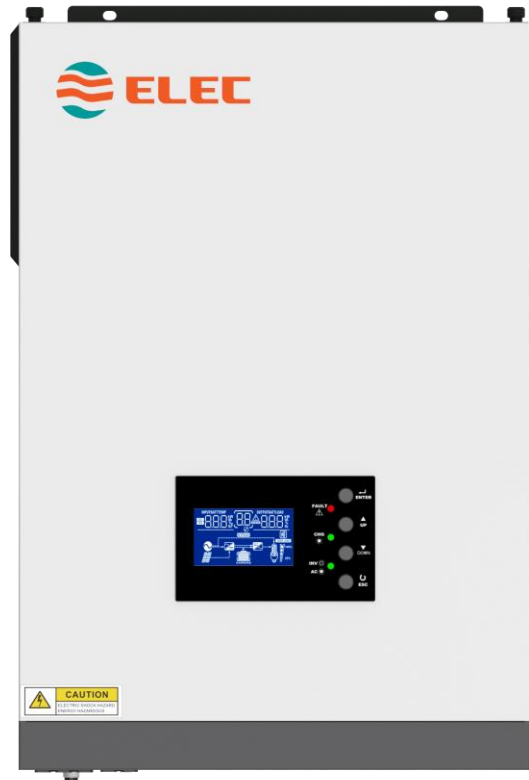


SO 3KW/5KW series

Single phase offgrid inverter



Features:

- ❖ Pure sine wave output, safe and reliable, high conversion efficiency
- ❖ Multiple protection circuit for low voltage, over voltage, overload, short-circuit, overheat, etc.
- ❖ Built-in MPPT solar charge controller
- ❖ Digital working status display
- ❖ Built-in cooling fans
- ❖ High PV input voltage range
- ❖ Wide application for various fields like communication, industry equipment, military vehicle, solar generating etc..

Technical Data

INVERTER MODEL	SO3500-24	SO5500-48
Rated Output Power	3500VA/3500W	5500VA/5500W
PV Input (DC)		
PV Max.power	4000W	6000W
MPPT Range	120V-450Vdc	120V-450Vdc
Max.PV Vlotage	500Vdc	500Vdc
MPPT Efficiency	99%	99%
AC Input		
Nominal Voltage Range	170V~280Vac	
Rated frequency	50/60Hz	
AC output		
Nominal Voltage	230Vac±5%	
Nominal frequency	50/60Hz	
Efficiency(Max.)PV to INV	97%	
Efficiency(Max.)Battery to INV	94%	
Transfer Time	10ms	
Surge Power	6400VA	10000VA
Battery		
Nominal Voltage	24Vdc	48Vdc
Floating Charge Voltage	27Vdc	54Vdc
Overcharge Protection	33Vdc	63Vdc
Maximum AC Charge Current	80A	100A
General Specifications		
Degree of Protection	IP20	
Operating Temperature	0°C-50°C	
Storage Temperature	-15°C-60°C	
Humidity(Non-condensing)	10%-90%	
Dimension(D*W*H)	100*300*440mm	100*300*440mm
Weight	11KG	12KG
Communication interface	RS232/WIFI/GPRS	