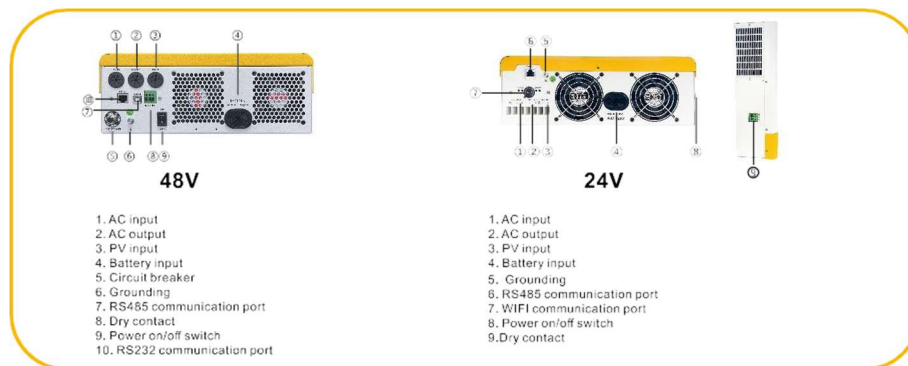
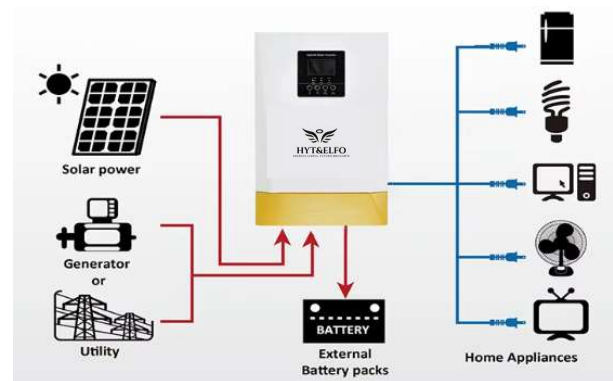
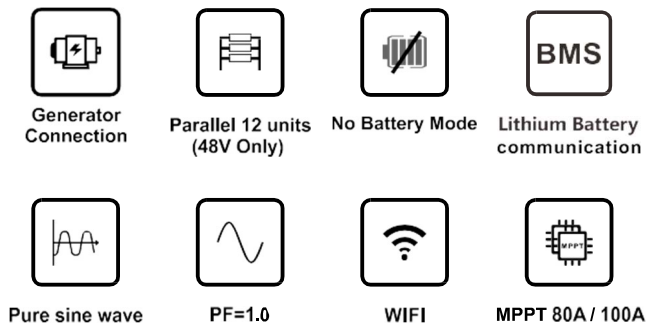


OFF GRID MPPT SOLAR INVERTER



LVM Series 3KW/ 24V 3KW/ 48V
110 / 120Vac Output



Product Features

- Compatible work with lifepo4 battery via RS485
- Parallel operation with up to 12 units (48V) in 1phase/3phase / split phase(24V only 1phase)
- Pure sine wave
- Power factor 1.0
- PV input 500Vdc Max
- Built-in MPPT 80A/100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WiFi remote monitoring optional(24V builtin WIFI)
- EQ function to optimize battery performance and extend lifecycle

Technical Data

MODEL	LVM3000-24L	LVM3000-48PL
Capacity	3KVA/3KW	3KVA/3KW
Parallel Capability	NO	YES,12 Units
Split phase operation	NO	YES, need at least 2 units paralle
Built-in WIFI	Optional	
INPUT		
Nominal Voltage	110/120VAC	
Acceptable Voltage Range	95-140VAC(For personal Computer);65-140VAC(For Home Appliances)	
Frequency	50/60 Hz(Auto sensing)	
OUTPUT		
Nominal Voltage	110/120VAC±5%	
Surge Power	6000VA	
Frequency	50/60Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency(PV to INV)	97%	
Peak Efficiency(Battery to INV)	93%	
Overload Protection	5s@>=140% load; 10s@110%~140% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY		
Battery Voltage	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
OverCharge Protection	33VDC	63VDC
Charging Method	CC/CV	
Solar Charger & AC Charger		
Max.PV Array Power	4000W	5000W
Solar Charger Type	MPPT	
Max.PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC~450VDC	
Max.Solar Input Current	18A	18A
Max.Solar Charge Current	100A	80A
Max.AC Charge Current	80A	60A
Max.Charge Current	100A	80A
PHYSICAL		
Dimensions,D x W x H(mm)	312.4x350x114.5	448x315x122
Package Dimensions,D x W x H(mm)	475x390x180	540x390x217
Net Weight(Kg)	8.5	10
Communication Interface	Dry contact+RS485+WIFI	RS485/RS232/Dry-contact
ENVIRONMENT		
Operating Temperature Range	-10°C to 50°C	
Storage Temperature	-15°C ~ 50°C	
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Ingress Protection	IP21	

Product specifications are subject to change without further notice.