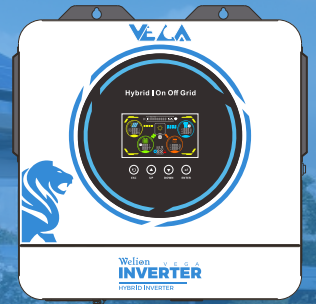




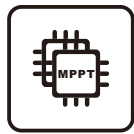
MODEL  
VEGA-4200T-24



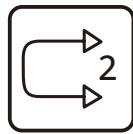
# Welion V E G A INVERTER



RGB Lights



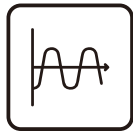
100A MPPT



Dual Outputs



Colorful LCD  
display



Pure sine wave



PV 60-500Vdc



Lithium Battery  
Activation



Built-in WiFi

## Features

- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Colored LCD with RGB lights
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 100A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Built-in Wifi remote monitoring optional
- Support multiple output priority: UTL,SOL,SBU,SUB
- EQ function to optimize battery performance and extend lifecycle



# Technical Data



MODEL	VEGA-4200T-24
PHASE	1-Phase In /1-Phase Out
Maximum PV Input Power	5000W
Maximum Main Output Power	4200VA/4200W
Maximum Second Output Power	4200VA/4200W
Maximum Total Output Power	4200VA/4200W
Parallel Capability	NO
Lithium Battery activation	YES (By PV or Utility)
Lithium Battery communication	YES(RS485)
AC INPUT	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
AC OUTPUT	
Nominal Voltage	220/230VAC±5%
Surge Power	8400VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Dual Outputs	Yes
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency(PV to INV)	96%
Overload Protection	5s@ > =140% load; 10s@110%~140% load
Admissible Power Factor	0.6~1 (inductive or capacitive)
BATTERY	
Battery Voltage	24VDC
Floating Charge Voltage	27VDC
OverCharge Protection	33VDC
Charging Method	CC/CV
SOLAR CHARGER & AC CHARGER	
Solar Charger TYPE	MPPT
Max.PV Array Power	5000W
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	1 / 27A
Max. Solar Charge Current	100A
Max. AC Charge Current	80A
Max. Charge Current	100A
PHYSICAL	
Dimensions, D x W x H(mm)	312.4x350x114.5
Package Dimensions, D x W x H(mm)	475x390x180
Net Weight (Kgs)	8.5
Communication Interface	Standard version: RS485(RJ45)/RS232(DB9) Built in WIFI version:RS485(RJ45)
LCD	Colorful LCD display+RGB Light
ENVIRONMENT	
Operating Temperature Range	-10°C to 50°C
Storage temperature	-15°C~ 50°C
Humidity	5% to 95% Relative Humidity (Non-condensing)