



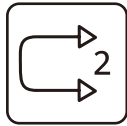
MODEL  
VEGA-11000T-48



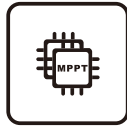
# Welion VEGA INVERTER



RGB Lights



Dual Outputs



Dual MPPT



Colored LCD



PV 60-500Vdc



Anti-shock  
design terminal



Lithium Battery  
Activation



Built-in WiFi Optional

## Features

- Dual AC output
- Built-in 2 MPPT
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 160A
- Parallel max up to 6 units
- Capable to work without battery
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Support multiple output priority: SUB, SBU, SUF
- EQ function to optimize battery performance and extend lifecycle



# Technical Data



MODEL	VEGA-11000T-48
CAPACITY	11KVA/11KW
Maximum PV Input Power	11KW
Twin AC Output Function	YES
Maximum Main Output Power	11KVA/11KW
Maximum Second Output Power	5.5KVA/5.5KW
Maximum Total Output Power	11KVA/11KW
Parallel Capability	YES, 6units
Lithium Battery Communication	YES(RS485)
Lithium Battery Activation	YES( By PV or Utility)
Built-in WiFi	Optional
<b>INPUT</b>	
Nominal Voltage	230VAC
Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency	50/60 Hz (Auto sensing)
<b>OUTPUT</b>	
Nominal Voltage	220/230/240VAC
Surge Power	22000VA
Frequency	50/60 Hz
Waveform	Pure Sine wave
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)	94%
Peak Efficiency (Battery to INV)	93%
Overload Protection	5.5s@ > =140% load; 10.5s@110%~140% load
Crest Factor	3:1
Admissible Power Factor	0.6~1 (inductive or capacitive)
<b>BATTERY</b>	
Battery Voltage	48VDC
Maximum Discharge Current	220A
Floating Charge Voltage	54VDC
OverCharge Protection	63VDC
Charging Method	CC/CV
<b>Solar Charger &amp; AC Charger</b>	
Solar Charger TYPE	MPPT
Max.PV Array Power	5500W*2
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	27*2 (40A Max)
Max. Solar Charge Current	160A
Max. AC Charge Current	120A
Max. Charge Current	160A
<b>PHYSICAL</b>	
Dimensions, D x W x H(mm)	544.5x414.5x123
Package Dimensions, D x W x H(mm)	637x495x214
Net Weight (Kgs)	16.3
Gross weight(Kgs)	18.4
Communication Interface	RS485/RS232/Dry-contact
LCD	YES
<b>ENVIRONMENT</b>	
Operating Temperature Range	-10°C to 55°C
Storage temperature	-15°C~ 60°C
Humidity	5% to 95% Relative Humidity (Non-condensing)
Ingress Protection	IP21