

OFF GRID HYBRID INVERTER

TJ Series 8.5 / 11KW PV 60-500Vdc

 Anti-shock design terminal

 WIFI Optional

 BMS Lithium Battery Activation

 PV 60-500Vdc

 Dual MPPT

 Pure sine wave

 PF=1.0

 RS232 RS485



TJ Series 8.5 11KW PV 60-500Vdc

*The product diagram is for reference only!

Features

Built-in 2 MPPT

Lithium battery activation function by PV or Utility

Compatible work with LiFePO4 battery via RS485

Pure Sine Wave

Power factor 1.0

PV Input 500Vdc Max

Built-in MPPT 140A/160A

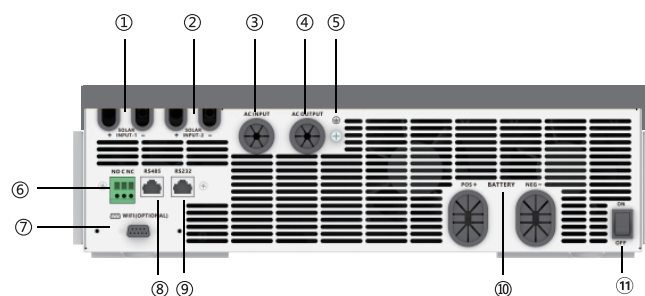
Capable to work without battery

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



1. Solar input - 1

2. Solar input - 2

3. AC input

4. AC output

5. Grounding

6. Dry contact

7.WiFi(Optional)

8.RS485 communication port

9.RS232 communication port

10.Battery input

11.Power on / off switch

Technical Data

TJ Series 8.5 /11KW PV 60-500Vdc

Category	Name	TJ8500-48L	TJ11000-48L
	Capacity	8.5KVA/8.5KW	11KVA/11KW
	Maximum PV Input Power	10KW	11KW
	Parallel Capability	NO	NO
	Lithium Battery Activation	YES (By PV or Utility)	
	Lithium Battery Communication	YES(RS485)	
	Built-in WIFI	Optional	
INPUT	Nominal Voltage	230VAC	
	Acceptable Voltage Range	170-280VAC(For personal Computer);90-280VAC(For Home Appliances)	
	Frequency	50/60 Hz (Auto sensing)	
OUTPUT	Nominal Voltage	220/230/240VAC	
	Surge Power	17000VA	22000VA
	Frequency	50/60 Hz	
	Waveform	Pure Sine wave	
	Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
	Peak Efficiency	94%	
	Overload Protection	5s@>=140% load; 10s@110%~140% load	
	Admissible Power Factor	0.6~1 (inductive or capacitive)	
BATTERY	Battery Voltage	48VDC	48VDC
	Maximum Discharge Current	180A	220A
	Floating Charge Voltage	54VDC	54VDC
	OverCharge Protection	63VDC	63VDC
	Charging Method	CC/CV	
SOLAR CHARGER & AC CHARGER	Solar Charger TYPE	MPPT	MPPT
	Max.PV Array Power	5000W*2	5500W*2
	Max. PV Array Open Circuit Voltage	500VDC	500VDC
	PV Array MPPT Voltage Range	60VDC~500VDC	60VDC~500VDC
	Max. Solar Input Current	18A*2	18A*2
	Max. Solar Charge Current	140A	160A
	Max. AC Charge Current	120A	120A
	Max. Charge Current	140A	160A
PHYSICAL	Dimensions, D x W x H(mm)	540*403*122	540*403*122
	Net Weight (Kgs)	14.5	14.8
	Communication Interface	RS232/RS485/DRY CONTACT	
	LCD	YES	
ENVIRONMENT	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	

Product specifications are subject to change without further notice.