







Off Grid Inverter

F-IVT302

Power Frequency



Features

-  Pure sine wave output
-  Can support WIFI/GPRS
-  MPPT efficiency max 98%
-  DC start & automatic self-diagnostic function
-  AC start-up voltage auto restart voltage
-  Lead acid battery/Lithium battery

Technical Data

Model	F-IVT302-1.5	F-IVT302-3	F-IVT302-5
AC Input Voltage	220VAc(standard)		
Input Voltage Range	154-264VAC±3v(Nor Model) 185-264VAC3v(UPS Model) 175-285VAC±3v(AVR Type)		
Input Frequency	50/60Hz±5%		
Out Put Power	2000VA/1600W	3000VA/2400W	5000VA/4000W
AC Model Output Voltage	The output voltage under the mains is the same as the input voltage(with AVR function 220V10%)		
AC Model Outout Frequency	The output frequency under the mains is the same as the inputfrequency		
Battery Model Output Voltage	220VAC±10%		
Battery Model Output Frequency	50HZ or 60HZ±1%		
Battery Model Output Wave	Pure Sine Wave		
Battery Type	External Lead-acid Battery, Gel Battery, Water Battery Or Lithium Battery		
Battery Voltage	12/24Vdc	24/48Vdc	24/48Vdc
Battery Charging Voltage	13.75/27Vdc	27/54Vdc	27/54Vdc
Maximum Pv Array Power	12v:800w 24V:1600w 48V:3200w		
Solar Input Voltage Range	12V: MPPT 15V-150Vdc/ PWM 15V-30Vdc 24V:MPPT 30V-150Vdc/ PWM 30V-60Vdc 48V: MPPT 60V-150Vdc/PWM 60v-105Vdc		
Maximum PV Displayopen Circuit Voltage	12V:MPPT 150Vdc/PwM 30Vdc 24V:MPPT 150Vdc/ PWM 60Vdc 48V:MPPT 150Vdc/PWM 105Vdc		
Maximum Solar Charging Current	60A		
Maximum AC Charge Current	40A/20A	30A/15A	42A/21A
Battery Charging Voltage Range	154-280VAC		
Transfer Time	≤10ms (UPS)/s20ms (INV)		
Load Peak Ratio	(MAX)3:1		
Protective Function	Under the mains : input overcurrent fuse Under inverter: overload protection,short circuit protection, low voltage protection, (with battery anti-reverse connection,board).		
Status Display	You can view parameters such as AC voltage, AC frequency, PVvoltage, PV current, output voltage output frequency, battery voltage, load current and other parameters by turning the page keys.		
Voice Prompt	Low battery protection buzzer long beep/Low battery buzzer beeps every second Machine fault buzzer beeps/overload buzzer beeps When the overload is less than 130%, the buzzer will sound every second,andthe output will be turned off after 30s. when the overload is greater than 150%, the output will be turned off after 300ms.		
Operating Temperature	0°C-40°C		
Storage Temperature	-15°C-45°C		
Relative Temperature	-10°C-90°C No Condensation		
Noise	<45dB		
Size (L*W*H)mm	512×320×136MM		