







Off Grid Inverter

F-IVT301

High Frequency



Features

-  Slim Body, Convenient Installation
-  Battery Reverse Connection Protection with Fuse Switch
-  Support Working without Battery
-  Parallel Function Up to Maximum 9 Units
-  High Precision of Output Voltage, $\pm 5\%$
-  Communication Option: External WIFI

Technical Data

Model	F-IVT301-3	F-IVT301-5
Input Formation	L+N+PE	
AC Input	208/220/230/240VAC	
Input Voltage Range	154-264VAC $\pm 3\%$ (Normal Mode) 185-264VAC $\pm 3\%$ (UPS Mode)	
Frequency	50/60Hz(Adaptive)	
Rated Power	3000W	5000W
Output Voltage	208/220/230/240VAC $\pm 5\%$	
Output Frequency	50/60Hz $\pm 0.1\%$	
Output Wave	Pure Sine Wave	
Transfer Time(Adjustable)	10ms for Computer Equipment, 20ms for Household Equipment	
Peak Power	6000VA	10000VA
Overload Ability	Battery Mode : Imin@102%-110% load 10s@110%-130% load 3s@130%-150% load 200ms>150% load	
Peak Efficiency(Battery Model)	>94%	
Rated Voltage	24Vdc	48Vdc
Constant Charging Voltage (Adjustable)	28.2Vdc	56.4Vdc
Float Charging Voltage (Adjustable)	27Vdc	54Vdc
PV Charging Method	MPPT	MPPT
Max PV Input	4000w	5500w
MPPT Tracking Range	120-500Vdc	120-500Vdc
Best VMP Working Range	300-400Vdc	300-400Vdc
MAX PV Input Voltage	500Vdc	500Vdc
MAX PV Charge Current	100A	100A
MAX AC Charge Current	60A	100A
MAX Charge Current	100A	100A
LCD	Can display operating mode/load/ input/output	
RS232	5PIN/Pitch2.54mm, Baud Rate 2400	
Expansion Slot Communication Interface	2x5PIN/Pitch2.54mm, Lithium Battery BMS Communication Card, WIFI 2x5PIN/Pitch2.54mm	
Parallel Interface	Not Support Parallel	Support Parallel
Operating Temperature	0°C-40°C	
Storage Temperature	-15°C-60°C	
Ork Altitude	IEC62040 to IEC62040No more than 1000m, If 1000m<, Rate power will lower, MAX 4000m, Refer	
Operating Environment Humidity	20%-95% Non Condensing	
Noise	<50dB	
Size L*W*H (mm)	495*312*125mm	
Standards and Certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	