







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 [VAC]	208/220/230/240	
Input Voltage Range	154~264VAC $\pm 3\%$ (Normal Mode) 185~264VAC $\pm 3\%$ (UPS Mode)	
Frequency [Hz]	50/60(Adaptive)	
Rated Power [W]	3000	5000
Output Voltage	208/220/230/240VAC $\pm 5\%$	
Output Frequency [Hz]	50/60 $\pm 0.1\%$	
Output Wave	Pure Sine Wave	
Transfer Time(Adjustable)	10ms for Computer Equipment, 20ms for Household Equipment	
Peak Power [VA]	6000	10000
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 [Vdc]	24	48
Constant Charging Voltage (Adjustable) [Vdc]	28.2	56.4
Float Charging Voltage (Adjustable) [Vdc]	27	54
PV Charging Method	MPPT	MPPT
Max PV Input [W]	4000	5500
MPPT Tracking Range [Vdc]	120-500	120-500
Best VMP Working Range [Vdc]	300-400	300-400
MAX PV Input Voltage [Vdc]	500	500
MAX PV Charge Current [A]	100	100
MAX AC Charge Current [A]	60	100
MAX Charge Current [A]	100	100
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 [°C]	0-40	
Storage Temperature [°C]	-15-60	
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 [dB]	<50	
Size L*W*H [mm]	495*312*125	
Standards and Certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1	