








Hybrid Inverter

# F-IVT101

Single Phase, Low Voltage



## Features

-  Mains charging up to 60A, charging current and charging voltage can be set through the LCD screen
-  Battery overdischarge, overload protection, temperature protection, short circuit protection
-  Pure sine wave output, can meet various types of load use
-  With multi-mode setting function, you can select and set the priority level of PV, mains and battery through the LCD screen
-  It has a wide range of mains input voltage, which can be selected by LCD to meet different power needs
-  With cold start function; Support USB, RS485 monitoring functions
-  WIFI intelligent monitoring function supports mobile APP to view various data (optional)

## Technical Data

Model	F-IVT101-3	F-IVT101-5
<b>DC Input</b>		
Maximum PV Open Circuit Voltage [VDC]	450	
MPPT Voltage Range [VDC]	150-430	
Maximum Solar Charging Current [A]	60	80
Maximum Hybrid Charging Current [A]	60	80
<b>AC Input</b>		
Nominal Voltage [VAC]	230	
Input Voltage Range [VAC]	180-265	
Frequency Range [Hz]	50/60	
Maximum AC Charging Current [A]	40	60
<b>DC Output</b>		
Nominal Voltage [VDC]	48	
<b>AC Output</b>		
Nominal Power [W]	3000	5200
Waveform	Pure Sine Wave	
<b>Protection</b>		
Island Protection	Yes	
DC polarity Reverse Protection	Yes	
Insulation Impedance Protection	Yes	
Surge Protection	Yes	
Leakage Current Monitoring Protection	Yes	
Output Overcurrent Protection	Yes	
Output Short-circuit Protection	Yes	
<b>Battery Data</b>		
Battery Type	Lead-Acid Battery Or Lithium Battery	
Rated Battery Voltage [VDC]	48	
Battery Overvoltage Alarm [VDC]	≥60	
Overvoltage Alarm Voltage [VDC]	60	
Battery Voltage Range [V]	40-60	
Charging Curve	Three-Stage Charge/Equal Charge	
Lithium Battery Charging Management System	Adaptive BMS System	
<b>General Information</b>		
Size(W*H*D) [mm]	495*328*125	
Package Size(W*H*D) [mm]	555*391*202	
Net weight [kg]	10.6	
Gross Weight [kg]	12.6	
Humidity	5%-95% Relative Humidity(Non-Condensing)	
Operating Temperature [°C]	0-55(>45 Derating)	
Storage Temperature [°C]	-10-60	
Certifications	IEC61727/62116,EN50549-1,IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	