

Hybrid Inverter

F-IVT101

Single Phase, Low Voltage







Technical Data

Model	F-IVT101-3	F-IVT101-4	F-IVT101-5	F-IVT101-6
DC Input				
Max. PV Input Power [W]	5500	6500	7500	9000
Max. PV Input Voltage [V]	550			
Max. PV Input Current [A]	16			
Max. Short-circuit Current per MPPT [A]	20			
MPPT Voltage Range [V]	40-530			
No. of MPPT Trackers	2			
No. of Input Strings per Tracker	1/1			
Back-feed Current [A]	0			
AC Input				
Rated AC Input Power [VA]	6000			
Max. AC Input Power [VA]	6000			
Rated AC Voltage [V]	AC230			
Grid Frequency Range [Hz]	50/60			
AC Output				
Rated Grid Output Voltage [V]	230			
Rated Output Frequency [Hz]	50/60			
Rated Output Power [W]	3000	4000	5000	6000
Max. Apprent Power [W]	3000	4000	5000	6000
Max. Output Current [A]	13.1	17.4	21.7	26.1
Max. Current per Phase [A]	13.6	18.2	22.7	27.3
Norminal Frequency/Frequency Range [Hz]	50/60/50±5/60±5			
THD	<3%			
Power factor	0.8 leading-0.8 lagging			
Protection				
DC Insulation Monitoring	Intergrated			
Input Reverse Polarity Protection	Intergrated			
Anti-island Protection	Intergrated			
Residual Current Monitoring	Intergrated			
Over-heat Protection	Intergrated			
AC Overcurrent Protection	Intergrated			
AC Short-Circuit Protection	Intergrated			
AC Overvoltage Protection	Intergrated			
DC Surge Protection	Intergrated			
AC Surge Protection	Intergrated			
Battery Data				
Battery Type	LiFePO ₄			
Battery Voltage Range [V]	40-60			
Max. Charging/Discharging Current [A]	100A/100A			
Communication Interface	RS485/CAN			
General Information				
Max. Efficiency	97.60%			
Communication	RS485/CAN/WiFi			
Ingress Protection Rating	IP65			
Cooling Mode	Natural			
Noise [dB]	<30dB			
Operation Temperature Range [°C]	-25-60			
Operation Altitude [m]	<4000			
Relative Humidity	100%			
Warranty [years]	6			
Weight [kg]	21.5			
Dimentions (W*H*D) [mm]	494*420*195			
Certifications	EN 50549-1, RfG 3, EN 62109-1, EN 62109-2, IEC 61000-6-1/-2/-3/-4, IEC 61000-3-11, IEC61000-3-12			

Features



-  Features rich AI-home app
-  Galvanically isolated low voltage battery
-  Integrated emergency power supply function
-  Integrated smart energy management system
-  Easy to install