

Hybrid Inverter

F-IVT201

Three Phase, High Voltage




Technical Data

Model	F-IVT201-8	F-IVT201-10	F-IVT201-12
DC Input			
Max. PV Input Power [W]	12000	15000	18000
Max. PV Input Voltage [V]		1000	
Max. PV Input Current [A]		13	
Max. Short-circuit Current per MPPT [A]		25	
MPPT Voltage Range [V]		180-850	
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]	16000	20000	24000
Max. AC Input Power [VA]	17600	22000	26400
Rated AC Voltage [V]	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
Grid Frequency Range [Hz]	50/60		
AC Output			
Rated Grid Output Voltage [V]	3W+N+PE, 220 / 380 V; 230 / 400 V; 240 / 415 V		
Rated Output Frequency [Hz]	50/60		
Rated Output Power [W]	8000	10000	12000
Max. Apprent Power [W]	8000	11000	12000
Max. Output Current [A]	11.6	14.5	17.4
Max. Current per Phase [A]	12.7	15.9	19.1
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]		150-600	
Max. Charging/Discharging Current [A]		50A/50A	
Communication Interface		RS485/CAN	
General Information			
Max. Efficiency		97.90%	
Communication		RS485/CAN	
Ingress Protection Rating		IP65	
Cooling Mode		Natural	
Noise [dB]		<35dB	
Operation Temperature Range [°C]		-25-60	
Operation Altitude [m]		<4000	
Relative Humidity		0-95%	
Warranty [years]		6	
Weight [kg]		30	
Dimentions (W*H*D) [mm]		530*200*560	
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

-  Support unbalanced output
-  UPS Capability
-  Online monitoring via wifi and apps
-  Smart energy management
-  Easy to install