

Three Phase String Inverter

FE - 4 - 12 - 3P - OG

Feston
always on



-  1 MPP tracker, Max, efficiency up to 97.5%
-  String intelligent monitoring
-  PID Anti-PID function (Optional)
-  Zero export application, VSG application
-  Wide output voltage range
-  Low start-up voltage of 80V

Technical Data

Model	FE-4.0 3P-OG	FE-5.0 3P-OG	FE-6.0 3P-OG	FE-7.0 3P-OG	FE-8.0 3P-OG	FE-10 3P-OG	FE-12 3P-OG
Input Side							
Max. DC Input Power (kW)	5.2	6.5	7.8	9.1	10.4	13	15.6
Max. DC Input Voltage (V)	1100						
Start-up DC Input Voltage (V)	140						
MPPT Operating Range (V)	120-1000						
Max. DC Input Current (A)	20+20						
Max. Short Circuit Current (A)	30+30						
No.of MPPT Trackers	2						
No.of Strings per MPPT Tracker	1+1						
Output Side							
Rated Output Power (kW)	4	5	6	7	8	10	12
Max. Active Power (kW)	4.4	5.5	6.6	7.7	8.8	11	13.2
Rated Output Voltage/Range (V)	3L/N/PE 220/380V, 230/400V 0.85Un-1.1Un (this may vary with grid standards)						
Rated Grid Frequency (Hz)	50						
Operating Phase	Three phase						
Rated AC Grid Output Current (A)	6.1/5.8	7.6/7.2	9.1/8.7	10.6/10.1	12.1/11.6	15.2/14.5	18.2/17.4
Max. AC Output Current (A)	6.7/6.4	8.3/8	10/9.6	11.7/11.1	13.3/12.8	16.7/15.9	20/19.1
Output Power Factor	0.9 to 1 Unity power factor						
Grid Current THD	<3%						
DC Injection Current (mA)	<0.5%						
Grid Frequency Range (Hz)	45-55						
Efficiency							
Max. Efficiency	98.3%						
Euro Efficiency	97.5%						
MPPT Efficiency	>99%						
Protection							
DC Reverse-Polarity Protection	Yes						
AC Short Circuit Protection	Yes						
AC Output Overcurrent Protection	Yes						
Output Overvoltage Protection	Yes						
Insulation Resistance Protection	Yes						
Ground Fault Monitoring	Yes						
Anti-islanding Protection	Yes						
Temperature Protection	Yes						
Integrated DC Switch	Yes						
Remote software upload	Yes						
Remote change of operating parameters	Yes						
Surge protection	DC Type II / AC Type II						
General Data							
Size (mm)	330W×457H×203D (Excluding connectors and brackets)						
Weight (kg)	11						
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25 to +60℃, >45℃ derating						
Ingress Protection	IP65						
Noise Emission (Typical)	≤30 dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	4000m						
Warranty	10years						
Grid Connection Standard	IEC 61727, IEC 62116						
Operating Surroundings Humidity	0-100%						
Safety EMC / Standard	IEC 61000-6-1/2/3/4, IEC 62109-1, IEC 62109-2						
Features							
Display	LCD1602						
Interface	RS485/RS232/Wifi/LAN						

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