Three Phase String Inverter

4 kW to 25 kW

Feston always on

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	FE-15 3P-OG	FE-18 3P-OG	FE-20 3P-OG	FE-25 3P-OG
Input Side											
Max. DC Input Power (kW)	5.2	6.5	7.8	9.1	10.4	13	15.6	19.5	23.4	26	32.5
Max. DC Input Voltage (V)	1100										
Start-up DC Input Voltage (V)	140							250			
MPPT Operating Range (V)	120-1000							250 - 1000			
Max. DC Input Current (A)	20+20							13+26	26+26		
Max. Short Circuit Current (A)	30+30							19.5+39	39+39		
No.of MPPT Trackers	2										
No.of Strings per MPPT Tracker	1+1							1+2			
Output Side											
Rated Output Power (kW)	4	5	6	7	8	10	12	15	18	20	25
Max. Active Power (kW)	4.4	5.5	6.6	7.7	8.8	11	13.2	16.5	19.8	22	27.5
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 / 60 (Optional)										
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	22.7/21.7	27.3/26.1	30.3/29	37.9/36.2
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	25/23.9	30/28.7	33.3/31.9	41.7/39.8
Output Power Factor	0.8 leading to 0.8 lagging										
Grid Current THD	<3%										
DC Injection Current (mA)	<0.5%										
Grid Frequency Range	45-55 or 55-65 (Optional)										
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）							333x472x203	362×527×220		
Weight (kg)	11							15	20		
Topology	Transformerless										
Internal Consumption	<1W (Night)										
Running Temperature	-25 to +60˚C, >45˚C derating								-25 to +65˚C, >45˚C derating		
Ingress Protection	IP65							IP65			
Noise Emission (Typical)	≤30 dB							≤40 dB			
Cooling Concept	Natural cooling							Smart cooling			
Max. Operating Altitude Without Derating	4000m										
Warranty	10years										
Grid Connection Standard	IEC 61727,IEC 62116,CEI 0-21,EN 50549 NRS 097,RD 140,UNE 217002,G98,G99,VDE 4105										
Operating Surroundings Humidity	0-100%										
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2										
Features											
Display	LCD1602										
Interface	RS485/RS232/Wifi/LAN										