

Three Phase String Inverter

FE - 18 - 25 - 3P - OG

Feston
always on



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

Technical Data

Model	FE-18-3P-OG	FE-20-3P-OG	FE-25-3P-OG
Input Side			
Max. DC Input Power (kW)	23.4	26	32.5
Max. DC Input Voltage (V)			
Start-up DC Input Voltage (V)	250		
MPPT Operating Range (V)	250 - 1000		
Max. DC Input Current (A)	26+26		
Max. Short Circuit Current (A)	39+39		
No.of MPPT Trackers	2		
No.of Strings per MPPT Tracker	2+2		
Output Side			
Rated Output Power (kW)	18	20	25
Max. Active Power (kW)	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		
Operating Phase	Three phase		
Rated AC Grid Output Current (A)	27.3/26.1	30.3/29	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	41.7/39.8
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)	362×527×220		
Weight (kg)	20		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25 to +65°C, >45°C derating		
Ingress Protection	IP65		
Noise Emission (Typical)	≤40 dB		
Cooling Concept	Smart 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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