

Feston
always on



Three Phase String Inverter

10 YEAR
WARRANTY

FE- 15 - 3P-OG



2 MPP tracker, Max, efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)



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Enfield Series S

Technical Data

Model	FE-15-3P-0G
Input Side	
Max. DC Input Power (kW)	19.5
Max. DC Input Voltage (V)	1100
Start-up DC Input Voltage (V)	250
MPPT Operating Range (V)	250 - 1000
Max. DC Input Current (A)	13+26
Max. Short Circuit Current (A)	19.5+39
No. of MPP Trackers	2
No. of Strings per MPP Tracker	1+2
Output Side	
Rated Output Power (kW)	15
Max. Active Power (kW)	16.5
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)	22.7/21.7
Max. AC Output Current (A)	25/23.9
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)	333Wx472Hx203D (Excluding connectors and brackets)
Weight (kg)	15
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25 to +60°C, >45°C derating
Ingress Protection	IP65
Noise Emission (Typical)	≤ 40 dB
Cooling Concept	Smart Cooling
Max. Operating Altitude Without Derating	4000m
Warranty	10 years
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