



Single Phase String Inverter

FE- 1.5 / 2.2 / 2.7 / 3 / 3.3 / 3.6 / 4 -1P-OG

10 YEAR
WARRANTY



1 MPP tracker, Max,
efficiency up to 97.5%



Zero export application,
VSG application



String intelligent
monitoring



Wide output
voltage range



Anti-PID function
(Optional)



Low start-up
voltage of 80V

Enfield Series



+91 89258 27701



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Technical Data

Model	FE-1.5-1P-OG	FE-2.2-1P-OG	FE-2.7-1P-OG	FE-3-1P-OG	FE-3.3-1P-OG	FE-3.6-1P-OG	FE-4-1P-OG
Input Side							
Max. DC Input Power (kW)	2	2.9	3.5	3.9	4.3	4.7	5.2
Max. DC Input Voltage (V)	550						
Start-up DC Input Voltage (V)	80						
MPPT Operating Range (V)	70-500						
Max. DC Input Current (A)	20						
Max. Short Circuit Current (A)	30						
No.of MPP Trackers	1						
No.of Strings per MPP Tracker	1						
Output Side							
Rated Output Power (kW)	1.5	2.2	2.7	3	3.3	3.6	4
Max. Active Power (kW)	1.65	2.42	2.97	3.3	3.63	3.96	4.4
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	Single phase						
Rated AC Grid Output Current (A)	6.5	9.6	11.7	13	14.3	15.7	17.4
Max. AC Output Current (A)	7.2	10.5	12.9	14.3	15.8	17.2	19.1
Output Power Factor	0.8 leading to 0.8 lagging						
Total Harmonics Current Distortion (THDi)	<3%						
DC Injection Current (mA)	<0.5%						
Grid Frequency Range	45-55 or 55-65 (Optional)						
Efficiency							
Max. Efficiency	97.3%	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Euro Efficiency	97.1%	97.1%	97.1%	97.3%	97.3%	97.3%	97.3%
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)	280W×310H×184D (Excluding connectors and brackets)						
Weight (kg)	4.8						
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25 to +60℃, >45℃ derating						
Ingress Protection	IP65						
Noise Emission (Typical)	≤35 dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	2000m						
Warranty	10years						
Grid Connection Standard	IEC 61727,IEC 62116,CEI 0-21,EN 50549 NRS 097,RD 140,UNE 217002,G98,G99,VDE-AR-N 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						



Single Phase String Inverter

FE- 3.6 / 4 / 4.6 / 5 / 5.2 / 6 / 6.2 -1P-OG

10 YEAR
WARRANTY



1 MPP tracker, Max,
efficiency up to 97.5%



Zero export application,
VSG application



String intelligent
monitoring (optional)



Wide output
voltage range



Anti-PID function
(Optional)



Low start-up
voltage of 80V

Enfield Series



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Technical Data

Model	FE-3.6-1P-OG	FE-4-1P-OG	FE-4.6-1P-OG	FE-5-1P-OG	FE-5.2-1P-OG	FE-6-1P-OG	FE-6.2-1P-OG
Input Side							
Max. DC Input Power (kW)	4.7	5.2	6	6.5	6.8	7.8	8.1
Max. DC Input Voltage (V)	600						
Start-up DC Input Voltage (V)	80						
MPPT Operating Range (V)	70-550						
Max. DC Input Current (A)	20						
Max. Short Circuit Current (A)	30						
No.of MPP Trackers	1						
No.of Strings per MPP Tracker	2						
Output Side							
Rated Output Power (kW)	3.6	4	4.6	5	5.2	6	6.2
Max. Active Power (kW)	3.96	4.4	5.06	5.5	5.72	6.6	6.82
Rated Output Voltage/Range (V)	220/230 0.85Un- 1.1Un						
Rated Grid Frequency (Hz)	50 / 60 (Optional)						
Operating Phase	Single phase						
Rated AC Grid Output Current (A)	15.7	17.4	20	21.7	22.6	26.1	27
Max. AC Output Current (A)	17.2	19.1	22	23.9	24.9	28.7	29.7
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	97.3%	97.5%	97.5%	97.5%	97.5%	97.5%	97.5%
Euro Efficiency	97.1%	97%	97%	97%	97%	97%	97%
MPPT Efficiency	>99%						
Protection				50.1			
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)	305Wx280Hx180D （Excluding connectors and brackets）						
Weight (kg)	7.7						
Topology	Transformerless						
Internal Consumption	<1W (Night)						
Running Temperature	-25 to +60℃, >45℃ derating						
Ingress Protection	IP65						
Noise Emission (Typical)	≤35 dB						
Cooling Concept	Natural cooling						
Max. Operating Altitude Without Derating	3000m						
Warranty	10years						
Grid Connection Standard	IEC 61727,IEC 62116,CEI 0-21,EN 50549 , NRS 097,RD 140,UNE 217002,G99,VDE-AR-N 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						



Three Phase String Inverter

FE- 4 / 5 / 6 / 7 / 8 / 10 / 12 -3P-OG

10 YEAR
WARRANTY



2 MPP tracker, Max,
efficiency up to 98.3%



Zero export application,
VSG application



String intelligent
monitoring (optional)



Wide output
voltage range



Anti-PID function
(Optional)



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Enfield Series

Technical Data

Model	FE-4-3P-OG	FE-5-3P-OG	FE-6-3P-OG	FE-7-3P-OG	FE-8-3P-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						250
MPPT Operating Range (V)	120-1000						200-1000
Max. DC Input Current (A)	20+20						
Max. Short Circuit Current (A)	30+30						
No.of MPP Trackers	2						
No.of Strings per MPP 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 / 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
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	0.8 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）						
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,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						



Three Phase String Inverter

FE- 15 - 3P-OG

10 YEAR
WARRANTY



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

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		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



Three Phase String Inverter

FE- 18 / 20 / 25 - 3P-OG

10 YEAR
WARRANTY



2 MPP tracker, Max,
efficiency up to 98.6%



Zero export application,
VSG application



String intelligent
monitoring (optional)



Wide output
voltage range



Anti-PID function
(Optional)

Enfield Series



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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)			1100			
Start-up DC Input Voltage (V)			250			
MPPT Operating Range (V)			200-1000			
Max. DC Input Current (A)			26+26			
Max. Short Circuit Current (A)			39+39			
Number of MPPT	2					
Strings per MPPT	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 / 60 (Optional)					
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	0.8 leading to 0.8 lagging					
Total Harmonics Current Distortion (THDi)	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	45-55 or 55-65 (Optional)					
Efficiency						
Max. Efficiency	98.6%					
Euro Efficiency	97.83%					
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 (Excluding Connectors and Brackets)					
Weight (kg)	20					
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25 to +65℃, >45℃ derating					
Ingress Protection	IP65					
Noise Emission (Typical)	≤40 dB					
Cooling Concept	Smart cooling					
Max. Operating Altitude Without Derating	4000m					
Designed Lifetime	10years					
Grid Connection Standard	IEC 61727,IEC 62116,CEI 0-21,EN 50549, NRS 097,RD 140,UNE 217002,OVE-Richtlinie R25,G99,VDE-AR-N 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					