

## EEl SOLAR INVERTER 8YF SERIES

MODEL	8YF850	8YF1K7
<b>DC INPUT PARAMETERS</b>		
Maximum Input Power	850 kW	1700 kW
Max DC/AC ratio	1.4	1.4
Number of protected Input	6	12
Number of MPPT	16 MPPTs for each input	16 MPPTs for each input
Nominal DC Voltage	750 V	750 V
Max DC Voltage (no load)	1000 V	1000 V
DC Current: maximum	1135 A	2270 A

<b>AC OUTPUT PARAMETERS</b>		
Rated AC power @ 50°C	835 kW	1670 kW
Max AC power @ 50°C, cos =0,9	750 kW	1500 kW
Nominal voltage	440V	440V
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Nominal frequency range	47,5...51,5 Hz / 56,4...62,4 Hz	47,5...51,5 Hz / 56,4...62,4 Hz
Nominal Current	1095 A	2190 A
Power Factor / Displacement power factor adjustable	1 / 0,9 Inductive to 0,9 capacitive	1 / 0,9 Inductive to 0,9 capacitive
THD(I)	< 3%	< 3%
Distribution network type	TN-S	TN-S

<b>EFFICIENCY</b>		
Maximum / European efficiency	98,6% / 98,2%	98,6% / 98,2%

<b>GENERAL DATA</b>		
Degree of protection	IP31	IP31
Dimensions (W / H / D)	2000 / 2200 / 600 mm	3800 / 2200 / 600 mm
Weight	1250 kg	2500 kg
Operating temperature range	-10°C / +50°C	-10°C / +50°C
Maximum ambient temperature with power derating	60°C	60°C
External auxiliary supply	230V 1Ph+N / 400V 3Ph	230V 1Ph+N / 400V 3Ph
Max humidity (non-condensing) / Max altitude	95 % / asl 1000m	95 % / asl 1000m

<b>PROTECTIONS</b>		
Ground fault monitoring	Yes	Yes
Grid monitoring	Yes	Yes
Insulation monitoring	Yes	Yes
AC / DC over voltage and over current, over temperature	Yes	Yes

<b>USER INTERFACE AND COMMUNICATIONS</b>		
Local user interface	HMI	HMI
Fieldbus connectivity	Modbus, Ethernet	Modbus, Ethernet

<b>USER INTERFACE AND COMMUNICATIONS</b>		
Safety and EMC	CE conformity according to LV and EMC directives	CE conformity according to LV and EMC directives
Certifications and approvals	Contact EEI	Contact EEI
Grid support and grid functions	Reactive power compensation (day/night), FRT, Anti-islanding	Reactive power compensation (day/night), FRT, Anti-islanding

## EEl MPPT STRING BOOST XL

<b>PV INPUT PARAMETERS</b>	
N° of inputs	32
N° of MPPT	8
Voltage range	300 ÷ 800 V
Max Current per input	10 A

<b>OUT PARAMETERS</b>	
N° of output	1
Output current	280A @ 750 V
Rated output voltage	750 V
Disconnectin device	DC switch 1000V

<b>EFFICIENCY</b>	
Maximum	>99%

<b>GENERAL DATA</b>	
Dimensions (W / H / D)	650x650x300 mm
Weight	85 KG
Operating temperature range	-10°C ÷ +50°C
Cooling	Forced Air
Power supply	Self-Powered
Protection degree	IP 54
Communication	RS485- WIFI (optional)

<b>PROTECTIONS</b>	
Input protection	Fuse on both positive and negative
Output protection	SPD

