



## Three Phase On-Grid Inverter 4kW-15kW

- High DC/AC ratio for more yields.
- Low start-up Voltage
- Wide Input Voltage Range .
- Anti-PID function
- Anti Islanding/Overvoltage Protection
- Smart cooling models.
- Remote monitoring (Wi-Fi/GPRS).
- Bigger Graphic LCD Display
- Efficiency up to 97.8% for superior energy conversion
- Compact and light weight design for an easy Installation.



# TECHNICAL SPECIFICATIONS

MODEL NO.	FE-4.0T2	FE-5.0T2	FE-6.0T2	FE-7.0T2	FE-8.0T2	FE-10.0T2	FE-12.0T2	FE-15.0T2
<b>Input (DC)</b>								
Max DC Power (W)	4800W	6000W	7200W	8400W	9600W	12000W	14000W	18000W
Max DC Voltage (Vdc)	1000Vdc							
Min Working Voltage (Vdc)	160Vdc							
MPPT Voltage Range (Vdc)	160~850Vdc							
Max. Input Current/Per String (A)	18A / 18A							
Max. Input Short Circuit Per MPPT	25A / 25A							
Number Of MPP Trackers	2							
Strings per MPP Trackers	1							
<b>Output(AC)</b>								
Rate Output Power (W)	4000	5000	6000	7000	8000	10000	12000	15000
Nominal AC Output	8	10	12	14	15	17	20	23
AC Output Range	45/55Hz; 280~490 Vac (Adj)							
Power Factor	Adjustable from 0.8 Leading to 0.8 Lagging							
Harmonics	<5%							
Grid Type	3 W/N/P/E							
<b>Efficiency</b>								
Maximum Conversion Efficiency	98.0%	98.2%	98.2%	98.3%	98.3%	98.4%	98.4%	98.4%
European Efficiency	97.5%	97.7%	97.7%	97.8%	97.8%	97.9%	97.9%	98.0%
MPPT Efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety and Protection</b>								
DC Breaker	Yes							
DC/AC SPD	Yes							
Residual Current Protection	Yes							
Leakage Current Protection	Yes							
Insulation Impedance Detection	Yes							
<b>General Parameters</b>								
Dimension (L/W/H)(mm)	480*476*157							
Weight (Kg)	16							
Operating Temperature Range (°C)	-25 to +60							
Degree of Protection	IP65							
Cooling Concept	Smart Cooling							
Isolation Type	Transformerless							
Display	Graphic LCD							
Humidity	0-95%, No Condensaon							
Communication	Standard WiFi; RS485 (Optional)							
Warranty	10 years							