

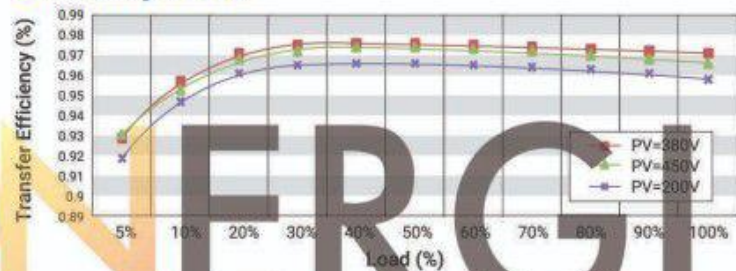
# STRING INVERTER ON-GRID

## 1 - 3 KW

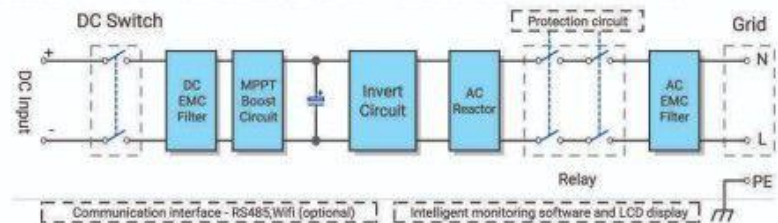
- SINGLE MPPT



Efficiency curve



Circuit diagram



### Feature Highlights:

- Max. PV Voltage up to 500V
- Single MPPT
- High efficiency up to 97.5%
- Smaller and lighter
- IP65 protection
- Easy installation

MODEL	ON GRID 1 KW	ON GRID 2 KW	ON GRID 3 KW
<b>Input (DC)</b>			
Max. DC power	1.3KW	2.6KW	3.9KW
Max. DC voltage/Nominal DC voltage	500Vdc/380Vdc		
MPPT voltage range	90~490Vdc	100~490Vdc	
Full load MPPT voltage range	105~400Vdc	190~400Vdc	240~400Vdc
Min./start DC voltage	90/100Vdc	120/150Vdc	
Number of MPPT trackers	1		
Strings per MPPT tracker	1		
Max. input current per MPPT tracker	11A		13A
<b>Output (AC)</b>			
Max. AC output power	1KW	2KW	3KW
Nominal AC voltage	230Vac		
AC voltage range	230Vac±20%		
Normal AC grid frequency	50/60Hz		
AC grid frequency range	50/60Hz (±5Hz)		
Max. output current	4.5A	9A	14A
Power factor (cos φ)	1		
THDI	<5%		
AC connection	LN+PE		
Topology	Transformerless		
<b>Efficiency</b>			
Max. efficiency	96.5%		97.6%
Euro efficiency	96%		97%
MPPT efficiency	99.90%		
Consumption: standby/night	<5W/<0.2W		
<b>Protection devices</b>			
AC leakage current fault protection	Yes		
Ground fault protection	Yes		
Anti-islanding protection	Yes		
DC overvoltage protection	Yes		
DC surge protection	Yes		
AC surge protection	Yes		
DC reverse-polarity protection	Yes		
<b>Physical</b>			
Dimensions (W*L*D) in mm	264x326x127		
Weight	7.6Kg	8.1Kg	8.6Kg
<b>Environment</b>			
Operating temperature range	-25°C~+60°C		
Noise emission (typical)	125dB		
Cooling type	Natural cooling		
Protection rating	IP65		
<b>Features</b>			
LCD display	Yes		
Interfaces	RS485		
Optional	DC Switch/WiFi Plug/GPRS Plug		