



#### FLEXIBLE

- Wider voltage input range, flexible configuration
- Integrated string detection and convergence Function
- Multiple com: RS485/RS485/WIFI/GPRS

#### EFFICIENT

- MPPT control algorithm, tracking efficiency up to 99.9%
- Transformer less design
- Small size, light weight, easy to install
- IP65

#### RELIABLE

- Built-in AC and DCSPD
- Perfect fault diagnosis, protection, record, query and other functions
- Products passed CQC, TUV, IEC certification
- Industry Standard Warranty

## Grid Tied Inverter

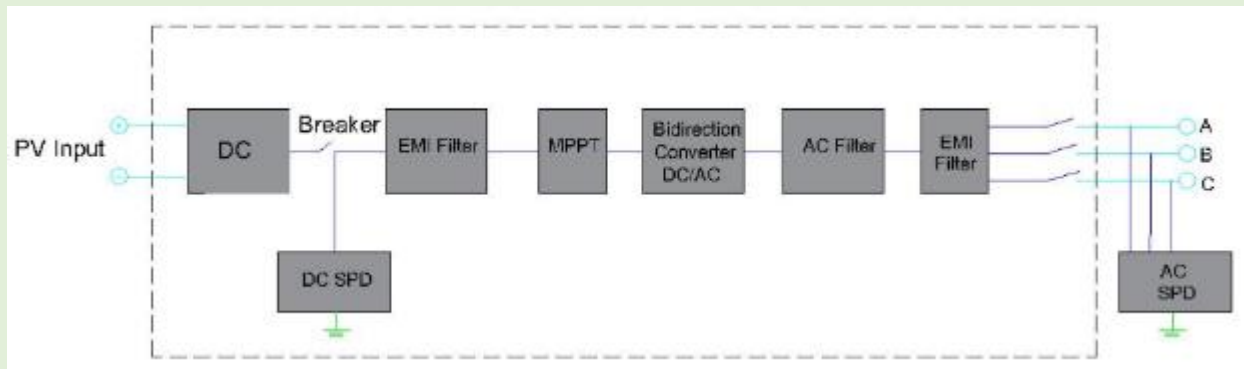




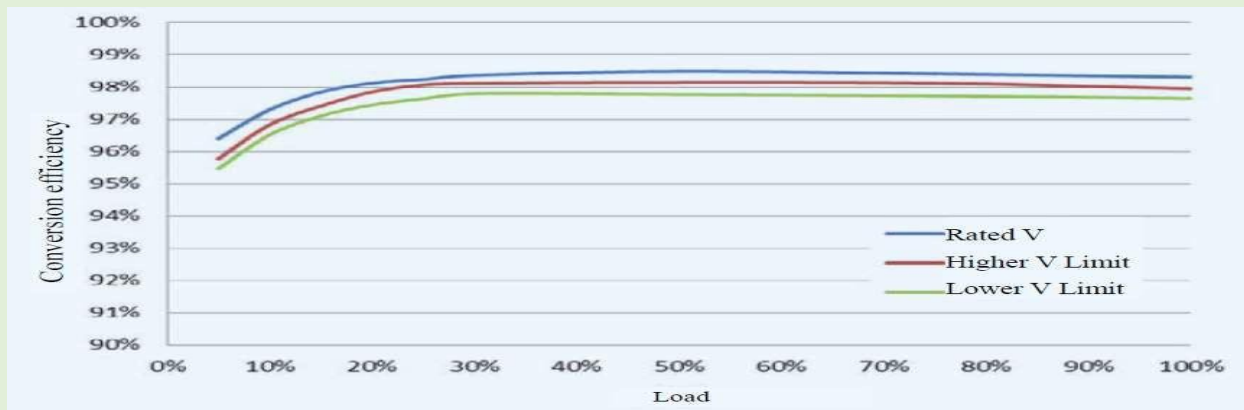
## Technical Data-Sheet

Model	5KW	10KW	20KW	50KW
<b>PV DC side</b>				
Max. input power	5400W	12000W	23000W	56000W
Max. DC voltage	550V	1000V	1000V	1000V
MPPT voltage range	80-500V	250-950V	250-950V	250-950V
Rated input voltage	360V	620V	620V	780V
Full load MPPT voltage range	220- 450V	450-850V		625-850V
Max. input current	12A/12A	12.5A/12.5A	24/24A	42A/42A
No. of MPPT channels	2	2	2	2
Strings of each MPPT	1 string/1 string		3 strings/3 strings	6 strings/6 strings
<b>AC side</b>				
Rated Output Power	5000W	10000W	20000W	50000W
Max. output power	5200W	11000W	22000W	55000W
Max. AC Output Current(A)	23A	15A	29A	59A
Rated grid voltage	230 Vac	400Vac	400Vac	400Vac
Allowable grid voltage	180~270 Vac		310~482Vac	
Rated Grid Frequency(Hz)	50Hz			
Allowable Grid Frequency(Hz)	45~55Hz	45~55H	45~55Hz	45~55Hz
THD	3%			
Direct Current Injection(DCI)	<0.5%			
Power factor	1			
<b>Efficiency</b>				
Max. efficiency	97.80%	98.40%	98.40%	98.80%
EU efficiency	97.50%	98.10%	98.1%	98.40%
MPPT efficiency	>99.9%	>99.9%	>99.9%	>99.9%
<b>Communication</b>				
Standard communication method	RS232			
Optional communication method	RS485/WIFI/GPRS			
<b>General</b>				
Display	LCD			
Protective function	Insulation resistance detection, DC reverse polarity protection, output overcurrent protection, island protection, leakage protection, over temperature protection, DC switch (optional), input overvoltage protection, input overcurrent protection			
Allowed ambient temperature	-25°C ~ +60°C	-25°C ~ +60°C	-25°C ~ +60°C	-25°C ~ +60°C
Cooling mode	Natural cooling	Smart air cooling	Smart air cooling	Smart air cooling
Noise	<25dB	<50dB	<50dB	<50dB
Ingress Protection	IP65	IP65	IP65	IP65
Operating humidity range	0 ~ 95% (No Condensation)			
Dimension (W*H*D) mm	348*445*156	440*580*210	540*600*235	645*850*255
Weight(kg)	14	24	38	48

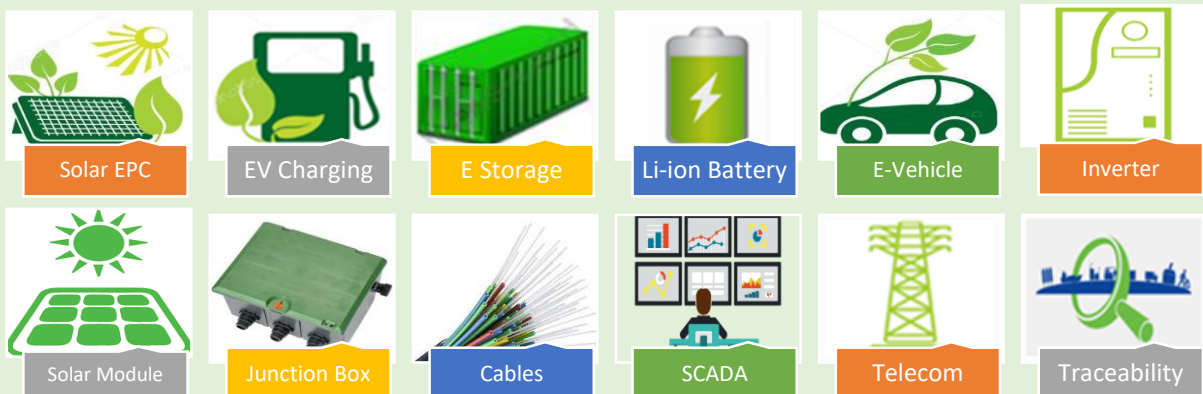
## Typical Block Diagram



## Typical Efficiency Curve



## Our Other Business Verticals



For business enquiries, please contact:

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