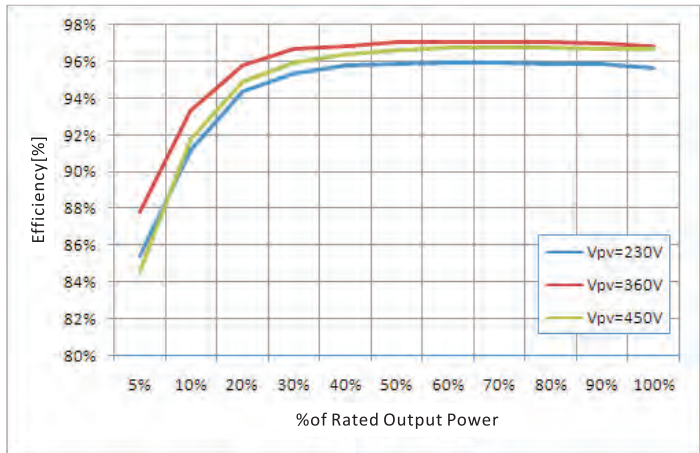


MASS ENERGY INVERTER

Single Phase Inverter

1100TL/1600TL/2200TL/2700TL/3000TL



Efficiency Curve

High-yield

- Max 97.2% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range

All in one,flexible and economical system solution

- Free site selection due to IP65
- Easy installation and maintenance due to “Plug & Play” connection
- Interface selection – Wi-Fi / RS485 /GPRS
- 4”LCD display
- Built in zero export function(optional)

Low maintenance cost

- Detachable cover for easy installation
- Rust-free Aluminum covers
- Flexible monitoring solution

Intelligent grid management

- Reactive power capability
- Self power reducer when over frequency
- Remote active/reactive power limit control

Datasheet

Input(DC)

Max.Input Power	1200W	1800W	2400W	2900W	3300W
Number of MPPT/String per MPPT	1/1				
Max. input voltage	450V		500V		
Start-up input voltage	100V		120V		
Rated input voltage	360V				
MPPT voltage range	80-450 V		100-500 V		
Full load DC voltage range	110-450 V	165-450 V	170-500 V	200-500 V	
Max. input current	10A		13A	13.5A	15A

Output(AC)

Rated Power	1000W	1550W	2100W	2600W	3100W
Max.AC Power	1000VA	1550VA	2100VA	2600VA	3100VA
Max.AC Output Current	4.5A	7A	9.5A	11.5A	13A
Nominal Grid Voltage	230V				
Grid Voltage Range	180~270 V(According to local standard)				
Nominal Frequency	50/60Hz				
Grid frequency Range	47~53 / 57~63Hz (According to local standard)				
THDi	<3%				
Power factor	1 (adjustable +/-0.8)				
Grid connection	Single phase				
Power Limit export	Zero export or adjustable power limit export				

Efficiency

Max.efficiency	97%			97.1%	97.2%
Euro efficiency	95.2%	95.9%	96.1%	96.4%	96.5%
MPPT adaptation efficiency	>99.9%				

Standard

EMC	EN 61000-6-1,EN 61000-6-2,EN 61000-6-3,EN 61000-6-4
Safety standards	IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14,30),IEC62109-1/2
Grid standards	AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, EN50438, G83/2, C10/11, RD1699

Protection

Anti-Islanding Protection	Yes
DC Reverse Polarity Protection	Yes
Over Temp Protection	Yes
Leakage Current Protection	Yes
Over Voltage Protection	Yes
Over Current Protection	Yes
Earth Fault Protection	Yes
SPD	MOV : Type III standard

Communication

Standard Communication Mode	WiFi , RS485 , GPRS(optional) , SD card
Operation Data Storage	25 years
I/O	Yes

General Date

DC Switch	optional		
Ambient temperature range	-25°C...+60°C		
Topology	Transformerless		
Cooling	Natural		
Allowable relative humidity range	0...100% no condensing		
Max.operating altitude	2000m		
Noise	<25db@1m		
Degree of Protection(per IEC 60529)	IP65		
Dimension	405*314*135mm		
Weight	11kg		12kg
Self-consumption at night	<1w		
Display	LCD display		
Warranty	5 years/7 years/10 years		