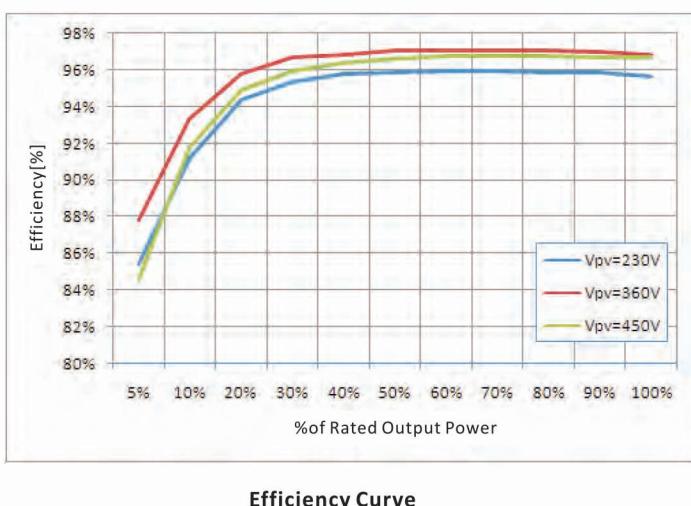


1-3KW Single Phase Inverter (Single MPPT)

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



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

Mass Energy Inverter

Single Phase Inverter



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

Datasheet	SOFAR 1100TL	SOFAR 1600TL	SOFAR 2200TL	SOFAR 2700TL	SOFAR 3000TL
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 (optional)		
Operation Data Storage			25 years		
I/O			Yes		
General Date					
DC Switch			optional		
Ambient temperature range			-30°C...+60°C(Above 45°C Derating)		
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			10 years		



AS4777 G83/2 G59/3

CQC, IEC, VDE-AR-N4105 / VDE-0126, EMC, C10/11, EN50438, RD1669, CEI 0-21