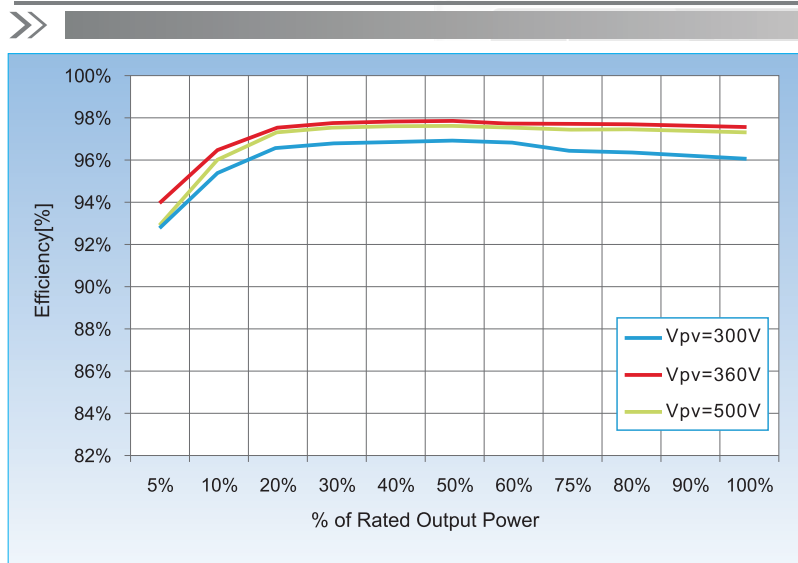


# MASS ENERGY INVERTER 1-Phase String Inverter

3KTLM-G2/3.6KTLM-G2/4KTLM-G2/4.6KTLM-G2/5KTLM-G2/6KTLM-G2/7.5KTLM  
(New upgrade)



Efficiency Curve

## High-yield

- Max 98.2% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range
- Independent dual MPPT tracking, Better to adapt to a variety of roof power plant design

## All in one, flexible and economical system solution

- Real-time monitoring of mobile phone APP
- Easy installation and maintenance due to "Plug & Play" connection
- RS485 and External WiFi/GPRS(Optional)
- Built-in sound and light alarm function

## Low maintenance cost

- Small size, Light weight
- Detachable cover for easy installation
- Rust-free Aluminum covers
- Flexible monitoring solution
- IP65 The installation location is free

## Intelligent grid management

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

# MASS ENERGY INVERTER 1-Phase String Inverter

➤➤ 3KTLM-G2/3.6KTLM-G2/4KTLM-G2/4.6KTLM-G2/5KTLM-G2/6KTLM-G2/7.5KTLM  
(New upgrade)

Technical Data	SOFAR 3KTLM-G2	SOFAR 3.6KTLM-G2	SOFAR 4KTLM-G2	SOFAR 4.6KTLM-G2	SOFAR 5KTLM-G2	SOFAR 6KTLM-G2	SOFAR 7.5KTLM
<b>Input(DC)</b>							
Max.Input power	3500W	4000W	4400W	5000W	5500W	6600W	8300W
Max DC power for single MPPT	2000W(160V-520V)	2400W(180V-520V)	2600W(200V-520V)	3000W(250V-520V)		3500W(300V-520V)	
Number of independent MPPT	2						
Number of DC inputs				1/1		2/1	
Max. input voltage	600V						
Start-up input voltage	120V						
Rated input voltage	360V						
MPPT voltage range	90V-580V						
Full load DC voltage range	160V-520V	180V-520V	200V-520V	230V-520V	250V-520V	300V-520V	250V-520V
Max. input current per MPPT				11A/11A		2*11A/11A	
<b>Output(AC)</b>							
Rated power	3000W	3680W	4000W	4600W	5000W	6000W	7500W
Max. AC power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA	7500VA
Max. output current	13.7A	16.8A	18.2A	21A	22.8A	27.3A	32.6A
Nominal Grid Voltage	L/N/PE,220,230,240						
Grid Voltage Range	180~276 V(According to local standard)						
Nominal Frequency	50/60Hz						
Grid frequency range	47~55 / 54~66Hz (According to local standard)						
Active power adjustable range	0~100%						
THDi	<3%						
Power factor	1 (adjustable +/-0.8)						
Power Limit export	Zero export or adjustable power limit export						
<b>Performance</b>							
Max. efficiency				98%		98.2%	
Weighted eff. (EU/CEC)				97.5%		97.6%	
Self-consumption at night	<1W						
Feed-in start power	50W						
MPPT efficiency	>99.9%						
<b>Protection</b>							
DC reverse polarity protection	Yes						
DC switch	optional						
Protection class /overvoltage category	I/III						
Input / output MOV (III)	Yes						
Safety protection	Anti islanding, RCMU, Ground fault monitoring						
Certification	NB/T32004-2013,AS4777,VDE0126-1-1,G83/2,G59/3,C10/11, RD1699/UTE15-712-1,EN50438,VDE-AR-N4105 IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14,30),IEC 62109-1/2						
<b>Communication</b>							
Power management unit	According to certification and request						
Standard Communication Mode	RS485 , WiFi/GPRS(optional) , SD card						
Operation Data Storage	25 years						
<b>General data</b>							
Ambient temperature range				-25°C~ +60°C		-30°C~ +60°C	
Topology	Transformerless						
Degree of protection	IP65						
Allowable relative humidity range	0...100% no condensing						
Max.operating altitude	4000m						
Noise	<25dB						
Weight	11.5kg					18kg	
Cooling	Natural convection						
Dimension	405*315*135mm					467*352*157mm	
Display	LCD display						
Warranty	5 years						