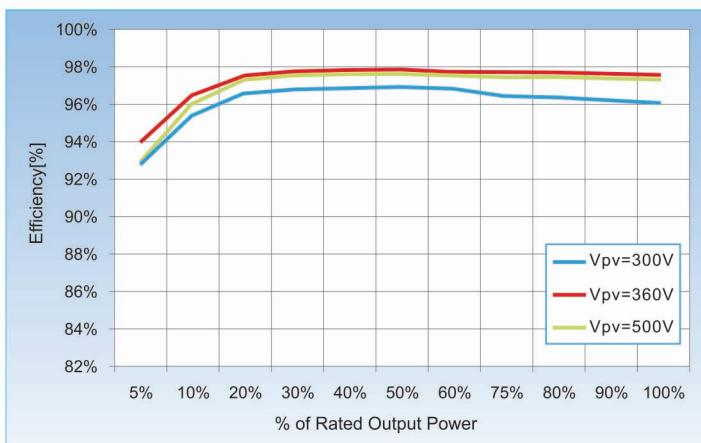


# 3-7.5KW Single Phase Inverter (Dual MPPT)

3KTLM-G2/3.6KTLM-G2/4KTLM-G2/4.6KTML-G2/  
5KTLM-G2/6KTLM-G2/7.5KTLM



Efficiency Curve

## High-yield

- Max 97.8% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range
- Independent dual MPPT tracking, better to adapt to the various roof power plant designs

## All in one, flexible and economical system solution

- Real-time monitoring using 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
- Free site selection due to IP65

## Low maintenance cost

- Small size, lightweight
- 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

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



Datasheet	SOFAR 3KTLM-G2	SOFAR 3.6KTLM-G2	SOFAR 4KTLM-G2	SOFAR 4.6KTML-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				180~276V(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				98.0%			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/UTEC15-712-1,EN50438,VDE-AR-N4105 IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 62109-1/2			
SPD				MOV : Type III standard			
<b>Communication</b>							
Power management unit				According to certification and request			
Standard Communication Mode				RS485 , WiFi/GPRS(optional) , SD card (optional)			
Operation Data Storage				25 years			
<b>General data</b>							
Ambient temperature range				-30°C...+60°C(Above 45°C Derating)			
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				10 years			



AS4777 G83/2 G59/3

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