

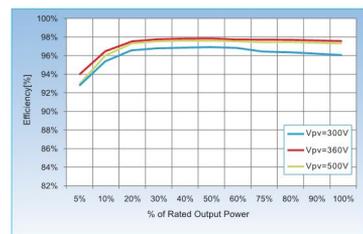
# MASS ENERGY INVERTER Single Phase Inverter

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



## Datasheet

	3KTLM-G2	3.6KTLM-G2	4KTLM-G2	4.6KTLM-G2	5KTLM-G2	6KTLM-G2	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(160V-520V)	2800W(200V-520V)	300W(250V-520V)	3500W(300V-520V)			
Number of independent MPPT	2			1				
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							
<b>Output(AC)</b>								
Rated power	3000 W	3680 W	4000 W	4600 W	5000 W	6000 W	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				98.0%				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 category				I/III				
Input / output MOV (III)				Yes				
Safety protection	Anti islanding, RCMU, Ground fault monitoring							
Certification	NB/T32004-2013, AS4777, VDE0126-1-1, GB3, C10/11, RD1699/UTEIC15-712-1, EN50438, VDE-AR-N4105, IEC 62216, IEC 61727, IEC 61683, IEC 60081(L2, 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							
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							
Display	LCD display							
Warranty	5 years / 7 years / 10 years							



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