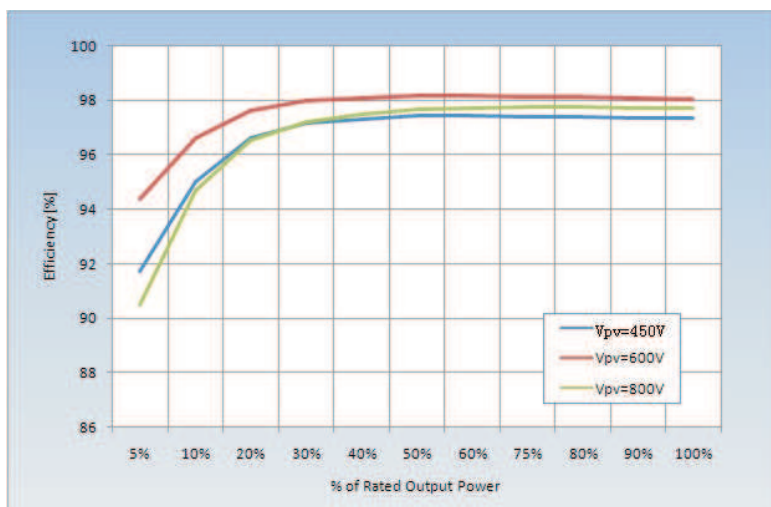


# MASS ENERGY INVERTER 3-Phase String Inverter

4.4KTL-X/5.5KTL-X/6.6KTL-X/8.8KTL-X/11KTL-X/12KTL-X



Efficiency Curve

## High-yield

- Max 98.3% efficiency
- Real time precise MPPT algorithm for max harvest
- Wide input voltage operation range from 160V to 960V

## All in one, flexible and economical system solution

- DC switch
- 4 inch screen, English display
- Optimum selection for big PV plants, commercial buildings...

## Low maintenance cost

- High power density
- Rust-free aluminum covers
- Flexible monitoring solution
- Small size, Light weight

## Intelligent grid management

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

# MASS ENERGY INVERTER 3-Phase String Inverter

➤➤ 4.4KTL-X/5.5KTL-X/6.6KTL-X/8.8KTL-X/11KTL-X/12KTL-X

Technical Data	SOFAR 4.4KTL-X	SOFAR 5.5KTL-X	SOFAR 6.6KTL-X	SOFAR 8.8KTL-X	SOFAR 11KTL-X	SOFAR 12KTL-X
<b>Input(DC)</b>						
Typical PV Power	4800W	6000W	7200W	9600W	12000W	14400W
Max DC power per MPPT	4800W(440V-850V)	6000W(545V-850V)	7200W(660V-850V)	8800W(800V-850V)	8800W(800V-850V)	8800W(800V-850V)
Number of independent MPPT	2					
Number of DC inputs	1 for each MPPT					
Max. input voltage	1000V					
Start-up input voltage	180V					
Rated input voltage	600V					
MPPT voltage range	160V-960V					
Full load DC voltage range	190V-850V	240V-850V	290V-850V	380V-850V	480V-850V	575V-850V
Max. input current per MPPT	11A/11A					
Input short circuit current for each MPPT	14A					
<b>Output(AC)</b>						
Rated power	4000W	5000W	6000W	8000W	10000W	12000W
Max. AC power	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Max. output current	6.4A	8.0A	9.6A	12.8A	15.9A	19.1A
Nominal Grid Voltage	3/N/PE,220/380		3/N/PE,230/400	3/N/PE,240/415		
Grid Voltage Range	184V-276V(According to local standard)					
Nominal Frequency	50/60Hz					
Grid frequency range	50Hz, +/-5Hz (According to local standard)					
Active power adjustable range	0~100%					
THDi	<3%					
Power factor	1 (adjustable +/-0.8)					
<b>Performance</b>						
Max. efficiency	98%			98.3%		
Weighted eff. (EU/CEC)	97.5%			98%		
Self-consumption at night	<1W					
Feed-in start power	45W					
MPPT efficiency	>99.9%					
<b>Protection</b>						
DC reverse polarity protection	Yes					
DC switch	Yes					
Safety protection	Anti islanding, RCMU, Ground fault monitoring					
Certification	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 62109-1/2 CE, CGC, AS4777, AS3100, VDE 4105, C10-C11, G83/G59 (more available on request)					
ARPC	Anti Reverse Power Controller(optional)					
<b>Communication</b>						
Power management unit	According to certification and request					
Standard Communication Mode	wifi (optional), GPRS(optional), SD card, RS485					
Operation Data Storage	25 years					
<b>General data</b>						
Ambient temperature range	-25°C...+60°C					
Topology	Transformerless					
Degree of protection	IP65					
Allowable relative humidity range	0...100% no condensing					
Max. operating altitude	2000m					
Noise	<29dB					
Weight	21kg			22kg		
Cooling	Natural					
Dimension	483*452*200mm					
Display	LCD display					
Warranty	5 years					