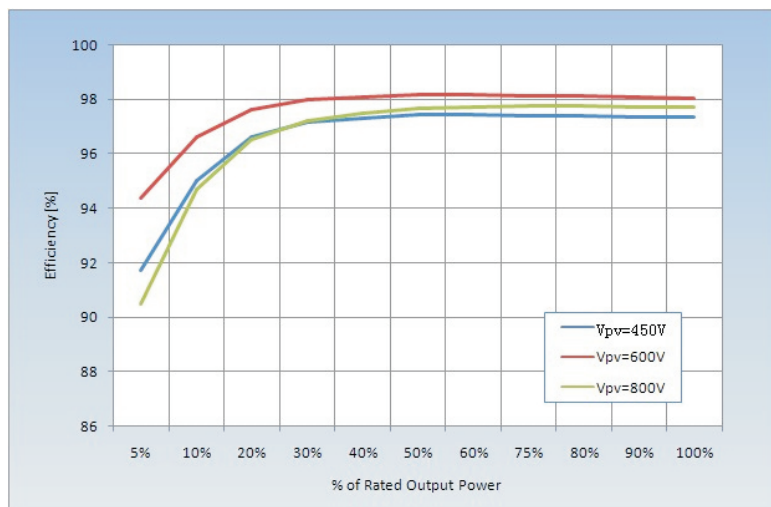


MASS ENERGY INVERTER 3-Phase String Inverter

» 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
Input(DC)						
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					
Output(AC)						
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)					
Performance						
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%					
Protection						
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)					
Communication						
Power management unit	According to certification and request					
Standard Communication Mode	wifi (optional), GPRS(optional), SD card, RS485					
Operation Data Storage	25 years					
General data						
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					



AS4777 G83/2 G59/3

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