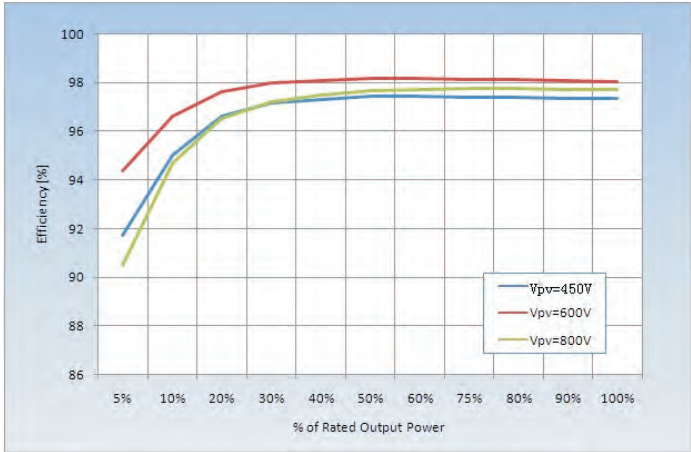


MASS ENERGY INVERTER

Three Phase Inverter

3.3KTL-X/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 powered density
- Rust-free aluminum covers
- Flexible monitoring solution
- Small size,lightweight

Intelligent grid management

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

Datasheet

SOFAR
3.3KTL-X

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	3600W	4800W	6000W	7200W	9600W	12000W	14400W
Max DC power per MPPT	3600W(300V-850V)	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	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	3000W	4000W	5000 W	6000W	8000 W	10000 W	12000 W
Max. AC power	3300VA	4400VA	5500VA	6600VA	8800VA	11000VA	13200VA
Max. output current	4.8A	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,VDE4105,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 / 7 years / 10 years	