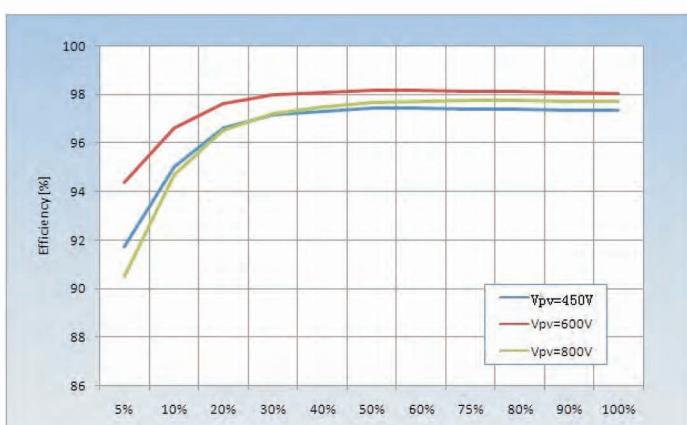


3.3-12KW Three Phase Inverter (Dual MPPT)

SOFAR (3.3K/4.4K/5.5K/6.6K/8.8K/11K/12K) TL-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

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



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	6000 W	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	-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	2000m
Noise	<29dB
Weight	21kg
Cooling	Natural
Dimension	483*452*200mm
Display	LCD display
Warranty	10 years

