



SOFAR 3.3k~12kTL-X

3300/4400/5500/6600/8800/11000/12000



Three-Phase Dual-MPPT

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Integrated with DC switch
98.3%
Max. efficiency up to 98.3%
- 4"
Super large 4-inch LCD
DRM
Built-in DRM port and logic
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Smart monitoring, RS485, Wifi/Ethernet/GPRS (optional)
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Over / under voltage, over current, over temperature, island and other multiple protections

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)							
Recommended Max. PV input power	4390Wp	5860Wp	7320Wp	8780Wp	11710Wp	14630Wp	15960Wp
Max DC power for single MPPT	3550W	4500W	5700W	6250W	6200W	6200W	6850W
Number of MPP trackers	2						
Number of DC inputs	1 for each MPPT						
Max. Input voltage	1000V						
Start-up voltage	200V						
Rated input voltage	600V						
MPPT operating voltage range	160-960V						
Full power MPPT voltage range	160V-850V	190V-850V	240V-850V	290V-850V	380V-850V	480V-850V	575V-850V
Max. Input current per MPPT	11A/11A						
Maximum DC input short circuit current per MPPT	14A						
Output (AC)							
Rated power	3000W	4000W	5000W	6000W	8000W	10000W	12000W
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, 220/380Vac, 230/400Vac, 240/415Vac						
Grid voltage range	310Vac-480Vac (According to local standard)						
Nominal frequency	50Hz/60Hz						
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)						
Active power adjustable range	0~100%						
THDi	<3%						
Power factor	1 default (adjustable +/- 0.8)						
Power limit export	Zero export or adjustable power limit export						
Performance							
Max efficiency	98.0%	98.0%	98.0%	98.0%	98.3%	98.3%	98.3%
European weighted efficiency	97.5%	97.5%	97.5%	97.5%	98.0%	98.0%	98.0%
Self-consumption at night	< 1W						
MPPT efficiency	> 99.9%						
Protection							
DC reverse polarity protection	Yes						
DC switch	Yes						
Safety protection	Anti islanding, RCMU, Ground fault monitoring						
ARPC	Anti reverse power controller(optional)						
Communication							
Power management unit	According to certification and request						
Standard communication mode	RS485, Wifi/Ethernet/GPRS(optional), SD card						
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%						
Max. Operating altitude	2000m						
Noise	< 29dB						
Weight	21kg	21kg	21kg	21kg	22kg	22kg	22kg
Cooling	Natural						
Dimension	457*452*202mm						
Display	LCD display						
Warranty	10 years						
Standard							
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4						
Safety standards	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30), IEC60255						
Grid standards	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21, EN50549, G83, Rd1699, UTE C15-712-1, EN50530, NB/T32004						