



SOFAR

25K~50KTLX-G3

25K/30K/33K/36K/40K/45K/50K

Three-Phase

Three to Four MPPTs

- 1.5_{DC}

3/4 MPP trackers with 1.5*DC overload
- SPD

Type II SPD for both DC and AC side
- Lower start voltage, wide MPPT voltage range
- Smart I/V curve scanning
- Smart monitoring, remote firmware upgrade
- 98.9%

Max. efficiency up to 98.9%
- 110%

Longtime 110% AC overload ability
- AFCI

Optional AFCI protection
- Compatible with 500W+ PV modules
- PID

Optional Anti-PID function

Datasheet

Input (DC)										
Recommended Max. PV input power	37500Wp	45000Wp	45000Wp	49500Wp	54000Wp	60000Wp	67500Wp	75000Wp	60000Wp	75000Wp
Max. DC power for single MPPT	20000Wp									
Number of MPP trackers	3	3	3	3	3	4	4	4	3	4
Number of DC inputs	6	6	6	6	6	8	8	8	6	8
Max. input voltage	1100V									
Start-up voltage	200V									
Rated input voltage	650V	650V	650V	650V	650V	650V	650V	650V	725V	725V
MPPT operating voltage range	180V-1000V									
Full power MPPT voltage range	480V-850V	480V-850V	480V-850V	510V-850V	540V-850V	480V-850V	510V-850V	540V-850V	620V-850V	650V-850V
Max. input MPPT current			90A(6*15A or 4*20A)				120A(8*15A or 6*20A)		90A(6*15A or 4*20A) 120A(8*15A or 6*20A)	
Max. DC input short circuit current			135A(6*22.5A or 4*30A)				180A(8*22.5A or 6*30A)		135A(6*22.5A or 4*30A) 180A(8*22.5A or 6*30A)	

Output (AC)										
Rated power	25000W	30000W	30000W	33000W	36000W	40000W	45000W	50000W	40000W	50000W
Max. AC power	28000VA	34000VA	34000VA	37000VA	40000VA	44000VA	49500VA	55000VA	44000VA	55000VA
Rated output current	37.9A	45.5A	45.5A	50.0A	54.5A	60.6A	68.2A	75.8A	48.1A	60.2A
Max. output current	42.4A	51.5A	51.5A	56A	60.6A	66.7A	75A	83.3A	53A	66.2A
Nominal grid voltage									31N/PE or 31PE, 277/480Vac	
Grid voltage range									310Vac-480Vac (According to local standard)	
Nominal frequency									50 / 60Hz	
Grid frequency range									45Hz-55Hz/54Hz-66Hz (According to local standard)	
Active power adjustable range									0 ~ 100%	
THDi									< 3%	
Power factor									1 (adjustable+/-0.8)	
Efficiency										
Max efficiency	98.60%	98.60%	98.60%	98.60%	98.60%	98.80%	98.80%	98.80%	98.90%	98.90%
European weighted efficiency	98.00%									

Communication

Communication	RS485/USB/Bluetooth, Optional:WiFi/GPRS/4G/PLC
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General Data

Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Anti reverse power function	Yes
DC switch	Yes
AFCI protection	Optional
Anti-PID function	Optional
Input/ output SPD	PV:Type II standard, AC:Type II standard

Communication

Communication	RS485/USB/Bluetooth, Optional:WiFi /GPRS /4G /PLC
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General Data

Ambient temperature range	-30℃～+60℃	
Self-consumption at night	<3W	
Topology	Transformerless	
Degree of protection	IP65	
Allowable relative humidity range	0～100%	
Max. operating altitude	4000m	
Noise	≤60dB	
Weight	36kg	37kg
Cooling	Fan	
Dimension	585*480*220mm	
Display	LCD&Bluetooth + APP	
Standard warranty	5 years, Optional: 7 years/ 10 years	