

SOFAR 25K~50KTLX-G3

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

THREE-PHASE THREE TO FOUR MPPTS



Product advantages

- Max. efficiency up to 98.6%
- Up to 4 MPPTs with DC overload capability (up to 150%)
- Type II SPD for both DC and AC side
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Datasheet	SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 30KTLX-G3-A	SOFAR 33KTLX-G3	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
Input (DC)								
Recommended Max. PV input power	37500Wp	45000Wp	45000Wp	49500Wp	54000Wp	60000Wp	67500Wp	75000Wp
Max. input voltage	1100V							
Rated input voltage	620V							
Start-up voltage	200V							
MPPT operating voltage range	180V-1000V							
Number of MPPTs	3					4		
Number of DC inputs	2 for each MPPT							
Max. input MPPT current	3*40A					4*40A		
Max. input short circuit current	3*50A					4*50A		
Output (AC)								
Rated output power	25000W	30000W	29900W	33000W	36000W	40000W	45000W	50000W
Rated apparent power	25000VA	34000VA	29900VA	33000VA	36000VA	40000VA	45000VA	50000VA
Max. apparent power	28000VA	34000VA	29900VA	37000VA	40000VA	44000VA	50000VA	55000VA
Rated output current	36.2A	43.5A	43.3A	47.8A	52.2A	58.0A	65.2A	72.5A
Max. Output current	42.4A	51.5A	45.3A	56A	60.6A	66.7A	75.8A	83.3A
Rated output voltage	3/N/PE,230/400Vac							
Output voltage range	310Vac-480Vac							
Rated output frequency	50/60Hz							
Output frequency range	45-55Hz/55-65Hz							
Active power adjustable range	0-100%							
THDi	<3%							
Power factor	1 (adjustable+/-0.8)							
Efficiency								
Max. efficiency	98.6%					98.8%		
European efficiency	98.2%							
Protection								
DC reverse polarity protection	Yes							
Anti-islanding protection	Method (Reactive power disturbance)							
Leakage current protection	Yes							
Ground fault monitoring	Yes							
PV-array string fault monitoring	Yes							
DC switch	Yes							
Protective class	Class I							
SPD	PV: type II, AC: type II							
General Data								
Ambient temperature range	-30°C--+60°C							
Self-consumption at night	<3W							
Topology	Transformerless							
Degree of protection	IP65							
Allowable relative humidity range	0-100%							
Max. operating altitude	4000m							
Cooling	Smart air cooling							
Dimension(W×H×D)	585×480×220mm							
Weight	36kg					37kg		
Display	LCD & Bluetooth +APP							
Communication	RS485/Wi-Fi							
Standard	IEC 61000-6-1/2/3/4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC 62109-1/2 AS/NZS 4777.2:2020							

*All specifications are subject to change without notice.