

# SOFAR 30K~50KTLX-G3 (Premium Version)

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

## THREE-PHASE THREE TO FOUR MPPTS



### Product advantages

- Support AFCI function
- DC side Type I+II SPD
- Up to 4 MPPTs with DC overload capability (up to 150%)
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- I-V curve scanning function



Datasheet	SOFAR 30KTLX-G3	SOFAR 33KTLX-G3	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
<b>Input (DC)</b>						
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	3*40A	3*40A	4*40A	4*40A	4*40A
Max. input short circuit current	3*50A	3*50A	3*50A	4*50A	4*50A	4*50A
<b>Output (AC)</b>						
Rated output power	30000W	33000W	36000W	40000W	45000W	50000W
Max. apparent power	34000VA	37000VA	40000VA	44000VA	50000VA	55000VA
Max. output current	51.5A	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 )					
<b>Efficiency</b>						
Max. efficiency	98.6%	98.6%	98.6%	98.8%	98.8%	98.8%
European efficiency	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%
<b>Protection</b>						
DC reverse polarity protection	Yes					
Anti-islanding protection	Yes					
Leakage current protection	Yes					
Ground fault monitoring	Yes					
PV-array string fault monitoring	Yes					
DC switch	Yes					
AFCI	Yes					
SPD	PV: type I+II, AC: type II					
<b>General Data</b>						
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/WIFI					
Standard	IEC/EN 61000-6-1/2/3/4, IEC 61000-3-11/12 IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2 G99, VDE-AR-N 4105, VDE V 0126-1-1, CEI0-21, EN 50549-1, NRS 097-2-1, UNE 217002-2020					

\*All specifications are subject to change without notice.