

# SOFAR 250~255KTLX-HV

250 / 255 kW

## THREE-PHASE NINE MPPTS



### Product advantages

- Max. efficiency up to 99.03%
- Support high-current input, compatible with 500Wp+ module
- Prolonged AC overload capacity (110%)
- IP66 & C5 protection design for outdoor
- Intelligent string breaking protection for high safety
- I-V curve scanning function



Model	SOFAR 250KTLX-HV	SOFAR 255KTLX-HV
<b>Input (DC)</b>		
Max. input voltage	1500V	
Rated input voltage	1160V	
Start-up voltage	550V	
MPPT operating voltage range	500V~1500V	
Number of MPPTs	9	
Number of DC inputs	24	
Max. input MPPT current	9*45A	
Max. input short circuit current	9*60A	
<b>Output(AC)</b>		
AC output power	250kVA@40°C / 225kVA@45°C / 202.5kVA@50°C	255kVA@40°C / 225kVA@45°C / 202.5kVA@50°C
Max. output current	180.5A	184A
Rated output voltage	3 / PE, 800V	
Output voltage range	640~920V	
Rated output frequency	50Hz/60Hz	
Output frequency range	45~55Hz/55~65Hz	
Active power adjustable range	0~100%	
THDi	<3%	
Power factor	1 (+/-0.8 adjustable)	
<b>Efficiency</b>		
Max. efficiency	99.03%	
European efficiency	98.70%	
<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	
SPD	PV: type II , AC: type II	
<b>General Data</b>		
Ambient temperature range	-30°C~+60°C	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0~100%	
Max. operating altitude	5000m(>4000m derating)	
Cooling	Smart air cooling	
Dimension(W×H×D)	1120×784×374mm	
Weight	104kg	
Display	LCD & Bluetooth +APP	
Communication	RS485 / PLC	

\*All specifications are subject to change without notice.

SOFAR 250/255KTLX-HV\_Draft\_V1.0\_202305