

**SOFAR 25K...50KTLX-G3**  
25 / 30 / 33 / 36 / 40 / 45 / 50 kW

**DREIPHASIG, DREI BIS VIER MPPT**



**Produktvorteile**

- Max. Wirkungsgrad bis zu 98,9%
- Bis zu 4 MPPTs mit DC-Überlastfähigkeit (bis zu 150%)
- Typ II Überspannungsschutz für DC- und AC-Seite
- 110% Langzeit-Überlastfähigkeit
- Niedrige Anlaufspannung, großer MPPT-Spannungsbereich
- Kompatibel mit 500 W+ Modulen
- I-V-Kurven-Scanfunktion



Modell	SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 33KTLX-G3	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
<b>Eingang (DC)</b>							
Max. Eingangsspannung	1100V						
Nenneingangsspannung	620V						
Einschalt-Spannung	200V						
MPPT-Betriebsspannungsbereich	180V...1000V						
Anzahl der MPPT-Tracer	3						
Anzahl der DC-Eingänge	2 pro MPPT						
Max. MPPT-Eingangsstrom	3*60A	3*60A	3*60A	3*60A	4*60A	4*60A	4*60A
Max. Eingangsurzschlussstrom	3*50A	3*50A	3*50A	3*50A	4*50A	4*50A	4*50A
<b>Ausgang (AC)</b>							
Nennausgangsleistung	25000W	30000W	33000W	36000W	40000W	45000W	50000W
Max. Scheinleistung	28000VA	34000VA	37000VA	40000VA	44000VA	50000VA	55000VA
Max. Ausgangsstrom	42,4A	51,5A	56A	60,6A	66,7A	75,9A	83,3A
Nennausgangsspannung	3/N/PE 230/400Vac						
Ausgangsspannungsbereich	310Vac...480Vac						
Nennausgangsfrequenz	50/60Hz						
Ausgangsstrombereich	45Hz...55Hz/55Hz...65Hz						
Wirkleistung einstellbarer Bereich	0...100%						
THDi	<3%						
Leistungsfaktor	1 (einstellbar 0,81...0,9c)						
<b>Wirkungsgrad</b>							
Maximaler Wirkungsgrad	98,6%	98,6%	98,6%	98,6%	98,8%	98,8%	98,8%
Europäischer Wirkungsgrad	98,2%	98,2%	98,2%	98,2%	98,2%	98,2%	98,2%
<b>Schutzfunktionen</b>							
DC-Verpölungsschutz	Ja						
Inselnetzerkennung	Ja						
Auflaststromüberwachung	Ja						
Erdschlussüberwachung	Ja						
PI-Gitringüberwachung	Ja						
DC-Schalter	Ja						
Überspannungsschutz	PV Typ II, AC Typ II						
<b>Allgemeine Daten</b>							
Umgebungstemperaturbereich	-30°C...+60°C						
Eigenverbrauch Nacht	<3W						
Topologie	Transformatorlos						
Schutzart	IP65						
Zulässiger Bereich der relativen Luftfeuchtigkeit	0...100%						
Maximale Betriebshöhe über N.N.	4000m						
Kühlung	Intelligente Luftkühlung						
Abmessungen (BxHxT)	985x400x220mm						
Gewicht	36kg						
Anzeige	LCD, Bluetooth & App						
Kommunikation	RS485/WIFI						
Normen	IEC 62116, IEC 61777, IEC 61683, IEC 60089-1/21/420, IEC/EN 62109-1/2, G99, VDE-AR-N 4105, VDE V 0126P-1, IEC/EN 61734-1, EN 50649-1, IEC 60950-1, IEC 60950-2, IEC 60950-3, IEC 60950-4, IEC 60950-5, IEC 60950-6, IEC 60950-7, IEC 60950-8, IEC 60950-9, IEC 60950-10, IEC 60950-11, IEC 60950-12, IEC 60950-13, IEC 60950-14, IEC 60950-15, IEC 60950-16, IEC 60950-17, IEC 60950-18, IEC 60950-19, IEC 60950-20, IEC 60950-21, IEC 60950-22, IEC 60950-23, IEC 60950-24, IEC 60950-25, IEC 60950-26, IEC 60950-27, IEC 60950-28, IEC 60950-29, IEC 60950-30, IEC 60950-31, IEC 60950-32, IEC 60950-33, IEC 60950-34, IEC 60950-35, IEC 60950-36, IEC 60950-37, IEC 60950-38, IEC 60950-39, IEC 60950-40, IEC 60950-41, IEC 60950-42, IEC 60950-43, IEC 60950-44, IEC 60950-45, IEC 60950-46, IEC 60950-47, IEC 60950-48, IEC 60950-49, IEC 60950-50, IEC 60950-51, IEC 60950-52, IEC 60950-53, IEC 60950-54, IEC 60950-55, IEC 60950-56, IEC 60950-57, IEC 60950-58, IEC 60950-59, IEC 60950-60, IEC 60950-61, IEC 60950-62, 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