



Utility On-grid Inverter

SUNFLUX 300KW TO 350KW

SFUX SERIES - ONGRID 300KW
TO 350KW-UTILITY

SF300KUX | SF350KUX



User Friendly

- Light and compact design
- Plug and play connectors
- Fast and easy commissioning



High Yield

- Lower startup & wider MPPT voltage
- Compatible with 600W+ PV modules
- >150% DC/AC Ratio
- Dynamic shading optimization mode
- Data exchange with tracker system, improving yield



Safe and Durable

- Type II SPD on AC & DC side
- IP66 ingress protection
- Max. Efficiency up to 98.8%
- AFCI protection, proactively reduces fire risk



Smart Management

- PV module-level optimization and safety
- Smart loads management
- 24h monitoring
- Grid fault record function, easy for remote O&M
- Power line communication (PLC) (optional)

PV INPUT

Max. PV arraypower	350KW	300KW
Max. PV input voltage	1500V	
Operation voltage range	500~1500V	
Recomndade MPPT voltage range	1180V	
Start up voltage	550V	
No.of MPPTtrackers	6MPPT	
Strings per MPPTtracker	5 INPUT	
Max. input current per MPPT	75A	
Max. input short circuit current per MPPT	125A	

AC OUTPUT

Rated output power	350kW @ 30 °C / 320kW @ 40 °C / 302kW @ 50 °C	300kW @ 30 °C / 280kW @ 40 °C / 250kW @ 50 °C
Max. output apparent power	352KVA	300KVA
Max. output current	254A	238A
Rated grid voltage	3AC 800V	
Rated AC frequency	50Hz	
Grid frequency range	50 ± 5 Hz / 60 ± 5 Hz	
THD (Under rated power)	<1%	
Power Factor	~1 (0.8 leading...0.8 lagging)	

SYSTEM DATA

Max. efficiency	99.05%	
European efficiency	99%	
Relative humidity	0 ~ 100 %RH (non-condensing)	
Cooling concept	Smart Air Cooling	
Operation temperature range	-30 °C to 60 °C	
Power consumption (night)	< 2W	
Max. operation altitude	≤ 4000m	
Display	LED, Bluetooth +APP	
Communication interfaces	RS485, PLC	

PROTECTION

PV String Current Monitoring	YES
PV Insulation Detection	YES
Residual Current Monitoring Unit	YES
DC Reserve Connection Protection	YES
Anti-island Protection	YES
AC Short Circuit Protection	YES
AC Overvoltage Protection	YES
DC Switch	YES
DC Surge Protection	Type II
AC Surge Protection	Type II
Reactive Power Compensation at Night	YES
Protective Class	Class II
Overvoltage Category	III[AC], II[DC]
AFCI	YES
Anti-PID & PID recovery	Optional

MECHANICAL DATA

Ingress protection	Ip66
Dimensions (W × H × D)	1147 × 800 × 362 mm
Weight	120KG

STANDARD

Safety standard/EMC standard	IEC62109, IEC61000, IS16169 & IS16221(BIS)
Grid connected standard	IEC61727, EN50549, VDE-4105
Other standard	IEC61683, IEC62116, EN50530, IEC60068
Warranty	5 years*