

Single-phase On-grid Inverter

SUNFLUX 1.5KW TO 6KW

SFX SERIES - ONGRID 1KW TO 6KW - 1PHASE

SF1.5KX | SF2KX | SF3KX | SF3.3KX
SF3.6KX | SF4KX | SF4.2KX | SF4.6KX
SF5KX | SF5.5KX | SF6KX



High Efficiency

- 200% PV oversizing and 20A input to support high-power panels
- Ultra-Wide MPPT voltage range
- 40V start-up voltage
- Higher AC Voltage range



Assured Safety

- IP66 ingress protection
- Type II SPD on AC & DC side
- Quality and robust components
- Aluminum Die Cast Body



Intelligent Design

- Friendly & Thoughtful Design
- 10s data refresh on Cloud
- Remote upgrade and maintenance



Flexible Adaptability

- Easy to install and setup
- Smart loads management
- Built-in export power control function

PV INPUT

Max. PV arraypower	3KWp	4KWp	6KWp	6.6KWp	7.2KWp	8KWp	8.4KWp	9.2KWp	10KWp	11KWp	12KWp	
Max. PV input voltage	550V						600V					
Operation voltage range	40 ~ 450 V						40 ~ 550 V					
Recomndade MPPT voltage range	360V						360V					
Start up voltage	50V											
No.of MPPT trackers	1MPPT											
Strings per MPPT tracker	1 Input											
Max. input current per MPPT	20A											
Max. input short circuit current per MPPT	26A											

AC OUTPUT

Rated output power	1500W	2000W	3000W	3300W	3600W	4000W	4200W	4600W	5000W	5500W	6000W
Max. output apparent power	16505VA	2200VA	3300VA	3630VA	3960VA	4400VA	4660VA	5100VA	5500VA	6100VA	6600VA
Max. output current	7.5A	10A	15A	15.8A	17.3A	19.2A	20A	23A	25A	26.5A	27.3A
Rated grid voltage	230/240V										
Rated AC frequency	50 Hz/60 Hz										
Grid frequency range	50 ± 5 Hz / 60 ± 5 Hz										
THD (Under rated power)	<3%										
Power Factor	~ 1 (0.8 lagging to 0.8 leading)										

SYSTEM DATA

Max. efficiency	98%										
European efficiency	97.00%										
Relative humidity	0 ~ 100% RH (condensing)										
Cooling concept	Natural cooling										
Operation temperature range	-25 ~ 60°C										
Power consumption (night)	<1W										
Max. operation altitude	4000m										
Display	LCD/LED										
Communication interfaces	WIFI/RS485										

PROTECTION

DC reverse-polarity protection	YES										
short-circuit protection	YES										
Output over current protection	YES										
Output over voltage protection	YES										
Insulation resistance monitoring	YES										
Residual current detection	YES										
Surge protection (DC / AC)	YES										
Grid monitoring	YES										
Islanding protection	YES										
Over temperature protection	YES										

MECHANICAL DATA

Ingress protection	IP66											
Dimensions (W × H × D)	295*210*120mm						347*368*167*mm					
Weight	5.5Kg						9Kg					

STANDARD

Safety standard/EMC standard	IEC62109,IEC61000,IS16169&IS16221(BIS)										
Grid connected standard	IEC61727,EN50549,VDE-4105										
Other standard	IEC61683,IEC62116,EN50530,IEC60068										
Warranty	10 years*										