

P O W E R  
- I N G ●  
T O M O -  
R R O W ●



Smart  
Photovoltaic  
Inverter  
Series



2023

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# SF

## 3000~3500TL



- Integrated MPPT charge controller.
- Equalization charging function.
- Work with or without battery
- PV input voltage up to 280VDC.
- Generator connection available
- Configurable grid or solar input priority.
- Optional WIFI/GPRS remote monitoring
- Support parallel operation for capacity expansion up to 21kW.
- PV and grid power the load jointly if PV energy is insufficient.
- Flexibly schedule the Inverter charging and discharging time.

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Datasheet	SF 3000TL	SF 3500TL
Battery Voltage	48VDC	
Battery Type	Lithium/Lead-acid	
<b>INVERTER OUTPUT</b>		
Rated Power	3000VA/ 3000W	3500VA/ 3500W
Parallel Capability	Yes, 6 units maximum	
AC Voltage Regulation (Battery Mode)	100Vac/110Vac/120Vac @ 50/60Hz	
Surge Power	6000VA	7000VA
Efficiency (Peak)	90%	
Waveform	Pure sine wave	
Transfer Time	10ms typical, 20ms Max	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	4000W	4500W
MPPT Range @ Operating Voltage	120VDC ~ 225VDC	
Number of Independent MPP Trackers/ Strings Per MPP Tracker	1/1	
Maximum PV Array Open Circuit Voltage	280VDC	
Maximum Solar Charge Current	80A	
<b>AC CHARGER</b>		
Charge Current	40A	
AC Input Voltage	120VAC	
Selectable Voltage Range	95-140VAC (For Personal Computers) ; 65-140VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
<b>PHYSICAL</b>		
Protection Degree	IP 20/NEMA Type1	
Dimension (W/H/D)	330/485/135mm(13/19.1/5.3in)	
Net Weight	12kg(26.5lb)	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C - 50°C(32°F- 122°F)	
Storage Temperature	-15°C - 60°C(5°F - 140°F)	
Warranty	2 Years	
UL 1741		