

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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11F, 9255 Sunset Blvd, Ste 1100, Los Angeles, CA 90069
1094 Cudahy Place, Suite 212, San Diego CA 92110



SF

3500~5000



- Integrated MPPT charge controller.
- Equalization charging function.
- PV input voltage up to 450VDC.
- Generator connection available
- Configurable grid or solar input priority.
- Optional WIFI/GPRS remote monitoring
- Support parallel operation for capacity expansion up to 30kW.
- PV and grid power the load jointly if PV energy is insufficient.
- Flexibly schedule the Inverter charging and discharging time.

Datasheet	SF 3500	SF 5000
Battery Voltage	48VDC	
Battery Type	Lithium/Lead-acid	
INVERTER OUTPUT		
Rated Power	3500VA/3500W	5000VA/ 5000W
Parallel Capability	Yes, 6 units maximum	
AC Voltage Regulation (Battery Mode)	230VAC ± 5% @ 50/60Hz	
Surge Power	7000VA	10000VA
Efficiency (Peak)	93%	
Waveform	Pure sine wave	
Transfer Time	10ms typical, 20ms Max	
SOLAR CHARGER		
Maximum PV Array Power	4500W	6000W
MPPT Range @ Operating Voltage	120VDC ~ 430VDC	
Number of Independent MPPT Trackers/ Strings Per MPPT Tracker	1/1	
Maximum PV Array Open Circuit Voltage	450VDC	
Maximum Solar Charge Current	80A	100A
AC CHARGER		
Charge Current	60A	80A
AC Input Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz (Auto sensing)	
PHYSICAL		
Protection Degree	IP20/NEMA Type 1	
Dimension (W/H/D)	330/485/135mm(13/19.1/5.3in)	
Net Weight	12kg(26.5lb)	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Altitude	<2000m(6561.6ft)	
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		