

OFF GRID SOLAR INVERTER

# DT SERIES

## Off Grid Solar Inverter

WIFI(optional)

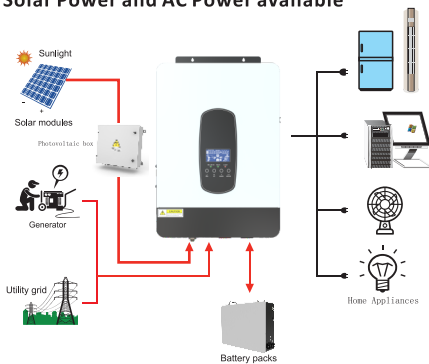


### »» Features

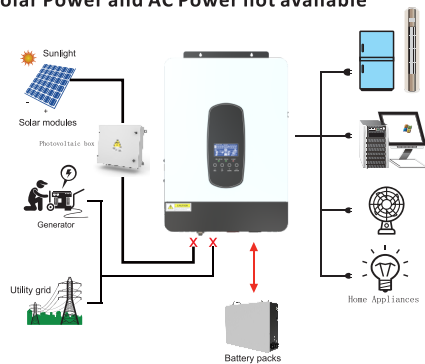
- Pure sine wave inverter
- Programmable supply priority for PV, battery or Grid
- High PV input voltage range(55~450VDC)
- Built-in Max 110A(3.8KW&6.2KW) MPPT solar charge
- Compatible with lithium-ion battery
- Support BMS communication with Lithium battery
- Smart battery charge design to optimize battery life
- Overload, high temperature, inverter output short circuit protection
- Cold start function
- Intelligent fan speed adjustment
- Built-in anti-dusk kit for harsh enviromen(optional)
- WIFI&GPRS available for IOS and android

### »» Solar System Connection

■ Operation with battery connected  
Solar Power and AC Power available



Solar Power and AC Power not available



### »» Overview



SP-2200  
SP-3200



SP-4200  
SP-7000



**Max PV Input**  
2000W/3000W  
5000W/6000W



**Max PV Voltage 450VDC**



**Max PV Input Current 27A**  
(For 3.6KW/6.2KW)



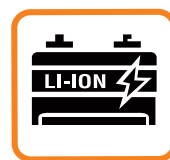
**MPPT Range 55 ~ 450VDC**



**MPPT Controller**



**12/24/48 Volt**



**Works with Lithium battery**



**AC Output**  
1800W/3000W  
3600W/6200W



**Max Charging Current 80/110A**



**Monitor & Control (Optional)**



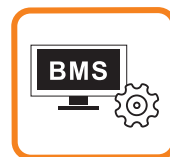
**Communication Port RS232/RS485**



**Pure Sine Wave Inverter**



**Wi-Fi Option**



**BMS**

## »» Product Data Sheet

MODEL	DT-2200	DT-3200	DT-4200	DT-4200	DT-7000
Rated Power	2200VA/1800W	3200VA/3000W	4200VA/3800W	4200VA/3800W	7000VA/6200W
<b>INPUT</b>					
Voltage	230VAC				
Selectable Voltage Range	170-280VAC (for personal computers) 90-280VAC (for home appliances)				
Frequency Range	50Hz/60Hz (Auto sensing)				
<b>OUTPUT</b>					
AC Voltage Regulation (Batt. Mode)	230VAC±5%				
Surge power	4400VA	6400VA	8400VA	8400VA	14000VA
Transfer Time	10ms (for personal computers) 20ms (for home appliances)				
Wave form	Pure Sine Wave				
<b>BATTERY &amp; AC CHARGER</b>					
Battery Voltage	12VDC	24VDC	24VDC	48VDC	48VDC
Floating Charge Voltage	13.5VDC	27VDC	27VDC	54VDC	54VDC
Overcharge Protection	15.5VDC	31VDC	31VDC	61VDC	61VDC
Maximum charge current	60A		80A	60A	80A
<b>SOLAR CHARGER</b>					
MAX. PV Array Power	2000W	3000W	6000W		
MPPT Range@ Operating Voltage	55-450VDC				
Maximum PV Array Open Circuit Voltage	450VDC				
Maximum Charging Current	80A		110A	80A	110A
Maximum Efficiency	98%				
<b>PHYSICAL</b>					
Dimension. D*W*H (mm)	405x286x98mm		423x290x100mm	423x290x105mm	
Net Weight (kgs)	4.5kg	5.0kg	6.8kg	6.9kg	7.5kg
Communication Interface	RS232/RS485(Standard) WIFI(Optional)				
<b>OPERATING ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Operating Temperature	-10° C to 55° C				
Storage Temperature	-15° C to 60° C				