

# DTS-V MAX SERIES

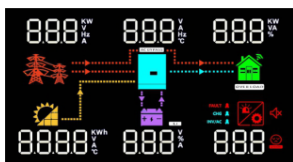
On/Off Grid Solar Inverter



## »» Features

- Pure sine wave solar inverter(on/off Grid)
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- One-key restoration to factory Settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger (for 8.2kw,10.2kw),140A(for 7.2kw)
- High PV input voltage range(90~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode

## »» Overview



LCD Display



Dual PV LCD Display

## »» Product Data Sheet

MODEL	DTS-V MAX 7.2KW		DTS-V MAX 8.2KW		DTS-V MAX 10.2KW	
Phase	1-phase					
Maximum PV Input Power	8200W		8200W	5400W+5400W	10200W	5400W+5400W
Rated Output Power	7200W/7200VA		8200W/8200VA		10200W/10200VA	
Maximum Solar Charging Current	140A		160A		160A	
<b>GRID-TIE OPERATION</b>						
<b>PV INPUT (DC)</b>						
Nominal DC Voltage/Maximum DC Voltage	360/500VDC					
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC					
MPPT Voltage Range	90~450VDC					
Maximum Input Current	1/23A		1/23A	2/18A	1/23A	2/18A

<b>GRID OUTPUT (AC)</b>					
Nominal Output Voltage	220/230/240VAC				
Output Voltage Range	190~253VDC				
Nominal Output Current	31.3A	35.6A	44.3A		
Power Factor	>0.99				
<b>EFFICIENCY</b>					
Maximum Conversion Efficiency (DC/AC)	98%				
<b>TWO LOAD OUTPUT POWER</b>					
Full Load	7200W	8200W	10200W		
Maxium Main Load	7200W	8200W	10200W		
Maxium Second Load(battery mode)	2400W	2733W	3400W		
Maxium Load Cut Off Voltage	52VDC	52VDC	52VDC		
Maxium Load Return Voltage	54VDC	54VDC	54VDC		
<b>OFF-GRID OPERATION</b>					
<b>AC INPUT</b>					
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC				
Acceptable Input Voltage Range	90-280VACor170-280VAC				
Frequency Range	49~51±1HZ				
Maximum AC Input Current	40A	40A	50A		
<b>PV INPUT (DC)</b>					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
<b>BATTERY MODE OUTPUT (AC)</b>					
Nominal Output Voltage	220/230/240VAC				
Output Waveform	Pure sine wave				
Efficiency (DC to AC)	94%				
<b>HYBRID OPERATION</b>					
<b>PV INPUT (DC)</b>					
Nominal DC Voltage/Maximum DC Voltage	360/500VDC				
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC				
MPPT Voltage Range	90~450VDC				
Maximum Input Current	1/23A	1/23A	2/18A	1/23A	2/18A
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Maximum AC Charging Current	120A	140A	140A		
<b>GENERAL</b>					
<b>PHYSICAL</b>					
Dimension, D x W x H (mm)	500*390*130	500*390*130	530*420*160	500*390*130	530*420*160
Carton Dimension, D X W XH(mm)	588*463*205		618*463*205	588*463*205	618*463*205
Net Weight (kgs)	13.6	14.5	14.6	14.8	15
Gross Weight(kgs)	14.9	16	16.1	16.2	16.5
<b>INTERACE</b>					
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY				
<b>ENVIRONMENT</b>					
Humidity	5% to 95% Relative Humidity(Non ~ condensing)				
Operating Temperature	-10°C ~ 50°C				
<b>STANDARD</b>					
Compliance Safety	CE				