

DTS-VIII ECO SERIES

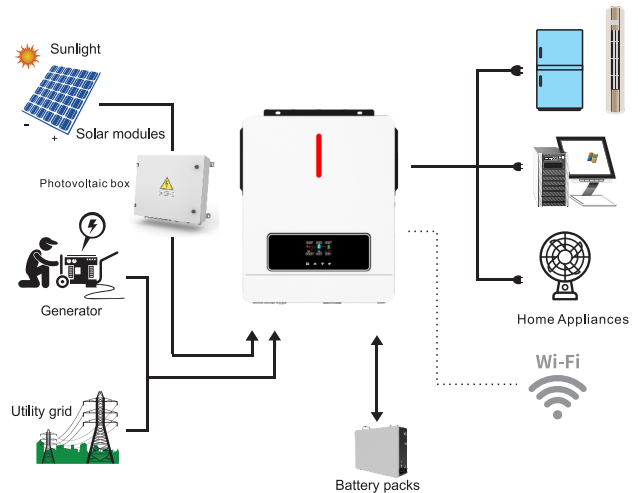
On/Off Grid Solar Inverter



»» 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 120AMPPT Solar charge:max 6200W(for 3.6KW/4.2KW) max 6500W(for 6.2KW)
- High PV input voltage range(60~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output

»» Solar System Connection



»» Product Data Sheet

MODEL	DTS-VIII ECO 3.6KW	DTS-VIII ECO 4.2KW	DTS-VIII ECO 6.2KW
Phase		1-phase	
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W	4200W	6200W
Maximum Solar Charging Current		120A	
GRID-TIE OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage		360/500VDC	
Start-up Voltage / Initial Feeding Voltage		60VDC/90VDC	
MPPT Voltage Range		60~450VDC	
Maximum Input Current		1/18A	1/22A

GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor	>0.99		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	98%		
TWO LOAD OUTPUT POWER			
Full Load	3600W	4200W	6200W
Maxium Main Load	3600W	4200W	6200W
Maxium Second Load(battery mode)	1200W	1400W	2067W
Maxium Load Cut Off Voltage	26VDC	26VDC	52VDC
Maxium Load Return Voltage	27VDC	27VDC	54VDC
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Frequency Range	49~51±1HZ		
Maximum AC Input Current	30A	30A	40A
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
MPPT Voltage Range	60~450VDC		
Maximum Input Current	1/18A		1/22A
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Waveform	Pure sine wave		
Efficiency (DC to AC)	94%		
HYBRID OPERATION			
PV INPUT (DC)			
Nominal DC Voltage/Maximum DC Voltage	360/500VDC		
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	60~450VDC		
Maximum Input Current	1/18A		1/22A
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
AC INPUT			
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	30A	30A	40A
Maximum AC Charging Current	100A		
GENERAL			
PHYSICAL			
Dimension, D x W x H (mm)	420*350*110		
Carton Dimension, D X W XH(mm)	500*415*180		
Net Weight (kgs)	8	8.5	9
Gross Weight(kgs)	9	9.5	10
INTERACE			
Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY		
ENVIRONMENT			
Humidity	5% to 95% Relative Humidity(Non ~ condensing)		
Operating Temperature	-10°C ~ 50°C		
STANDARD			
Compliance Safety	CE		