



DS 600VA-1200VA

Pure Sine Wave Inverter Dark Star Series

DS 600VA-1200VA (1ph in / 1ph out)



Features:

1. Super wide input voltage range, strong ability to adapt to the environment
2. Stable output voltage (pure sine wave output), can be applied to all electrical equipment
3. LCD display with plenty content
4. CPU controlled
5. Fast transfer time, high efficiency
6. Intelligent battery management, prolonging the service life of the battery
7. Low battery, overload short circuit, over temperature protections
8. Switching function between UPS and Inverter

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Technical Specification:

Model	DS600	DS800	DS1000	DS1200	DS600 Plus	DS800 Plus	DS1000 Plus	DS1200A Plus
Capacity	480W	640W	800W	1000W	480W	640W	800W	1000W
Power factor	0.8							
AVR	3 steps of AVR, CPU controlled							
INPUT								
Input voltage range	Inverter mode: 100~290Vac±5Vac							
	UPS mode: 145~270Vac±5Vac							
OUTPUT								
Output voltage range	Inverter mode: 150~255Vac±5Vac 220Vac±5% (DC mode)							
	UPS mode: 203~238Vac±5Vac 220Vac±5% (DC mode)							
Output frequency	50Hz ±0.1Hz (DC mode)							
Wave form	Sine wave (DC Mode)							
Transfer time	<10ms							
BATTERY								
QTY & capacity of battery	DC 12V		DC12V /24V		DC 12V		DC12V /24V	
AC Charger for Battery	10A/20A/Max.							
SOLAR CHARGER								
Charging current (PWM)	NO SOLAR CHARGER				50Amp			
System DC Voltage					12V/24Vdc			
Operating Voltage Range					15~18Vdc / 30~32Vdc			
Max PV Array Open Circuit Voltage					50Vdc / 60Vdc			
PROTECTION & FUNCTION								
PROTECTION	<ol style="list-style-type: none"> 1. Battery low voltage protection 2. Overload protection 3. Short circuit protection 							
FUNCTION	<ol style="list-style-type: none"> 1. Auto re-starts when AC recovers 2. Silence setup 3. Automatic charging (offline charging) 4. Combined UPS mode and inverter mode (Additional Solar model for DS Plus Series) 							
PHYSICAL								
Unit dimension (mm)	290*255*120				310*307*120			
Net weight (1pc, kg)	7.6	9.8	10.8	12.2	7.9	10.1	11.1	12.5