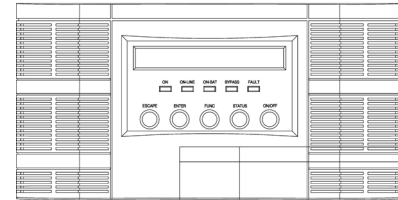
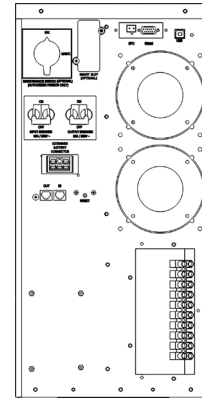


DS SERIES

6-20KVA



DS 6K
FRONT PANEL



DS 6K
REAR PANEL

ONLINE UPS: Zero Transfer Time
Absolutely no interruption of application when current is transferred to and from battery. Typically, UPS has a minimum of four milliseconds to transfer power but the online UPS has no transfer times, which means constant power is supplied to your system and equipment.

DSO-B series offers the highest performance protection for servers, networking equipment, telecommunication systems, and other critical equipment. The double conversion online topology protects against all brownouts, blackouts, voltage fluctuations, and surges. True sinewave output and zero transfer time ensures perfect protection.

SINEWAVE: Represents energy entirely concentrated at a single frequency. The more concentrated the energy is, the cleaner and safer the current will be.

There are four tower models and four rack mount models from DS01000B to DS03000RM to serve your every need.

FEATURES:

- True online double conversion design
- Pure sinewave output with less than 3% THD
- Fully digitized microprocessor control
- Selectable UPS output voltage
- Cold start function (DC power on)
- Smart fan speed control
- Emergency power off function (EPO) on select models
- Lightning and surge protection
- Fax/Modem/LAN data line surge protection
- Advanced battery management (ABM)
- Automatic diagnostics and battery check-up
- Extended battery pack available on select models
- RS232 and USB communication ports, UPS monitoring software

Computer Protection
Systems

WHEN FAILURE IS NOT AN OPTION



800.804.6933

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UPS | SOLAR | AUTOMATIC VOLTAGE REGULATION | INVERTERS
SURGE SUPPRESSION & PROTECTION | NETWORK | SCADA COMPATIBLE

DS SERIES

SPECIFICATIONS

MODEL	DS6000B	DS8000B	DS10000B	DS12000B	DS20000B
Topology	True Online, Double Conversion, Fully Digitized Microprocessor Control				
On-battery Output Waveform	True Sinewave				
Number of Phase	Single Phase (2W+G)				
INPUT					
Maximum Capacity	6000VA/4200W	8000VA/5600W	10000VA/7000W	12000VA/8400W	20000VA/14000W
Nominal Input Voltage	208/220/230/240Vac				
Input Voltage Regulation	120-276Vac @ 0-25% load, 140-276Vac @ 25-50% load, 160-276Vac @50-75% load, 180-276Vac 75-100% load				
Nominal Input Frequency	50Hz/60Hz Auto Sensing				
Input PFC	>.97 @ full load				
Input Voltage Range	Rated Voltage+/-25%				
Input Short Protection	Circuit Breaker				
OUTPUT					
Nominal Output Voltage	1 \emptyset 2wires or 1 \emptyset 3wires (with ISO)				
Output Voltage Regulation	100/110/115/120V(with ISO)/208/220/230/240V+/-2% (selectable)				
Output T.H.D.	<3% T.H.D. @ Linear Load				
High Efficiency Mode (AC to AC)	>97%				
Crest Factor	3:1				
Transfer Time	0 ms				
Start on Battery	Yes				
Auto Restart	Yes				
Number of Outlets	12 Battery Backup (US) 9 Battery Backup (IEC320 10Ax8, IEC320 16Ax1)				
Output Inlet	Hardwire				
PROTECTION					
Overload Protection	125% for 1 minute, 150% for 10 seconds (online), 130% for 10 seconds, 150 for 1.5 seconds (battery)				
Data Line Surge Protection	RJ11/RJ45				
Short Circuit Protection	Cuts UPS output immediately; fuse / circuit breaker protection				
Emergency Power Off (EPO) Port	Cuts output immediately				
BATTERY					
User Replaceable Batteries	240Vdc/12V7.2AH X20 pieces	240Vdc/12V7.2AH X20 pieces	240Vdc/12V9AH X20 pieces	240Vdc/12V7.2AH X20 piecesx2sets	240Vdc/12V9AH X20 piecesx2 sets
Typical Backup Time (Full/Half Load)	7/20 mins	4/13 mins	4/14 mins	6/21 mins	4/14 mins
Recharge Time to 90%	< 4 Hours				
Extended Battery Pack	BP6000				
ADVANCED WARNINGS / DIAGNOSTICS					
Front Panel LEDs or LCD	On /Online/On Battery/Bypass/Fault & LCD Status Display				
Audible Alarms	Battery Mode/Battery Test/Replace Battery/Low Battery/UPS Fault/Overload				
COMMUNICATIONS INTERFACE					
Communication Port	RS232 & USB				
SNMP Manageable	Yes				
ENVIRONMENTAL					
Operating Temperature	0 $^{\circ}$ ~40 $^{\circ}$ C / 32 $^{\circ}$ ~ 104 $^{\circ}$ F				
Storage Temperature	-20 $^{\circ}$ ~50 $^{\circ}$ C/-4 $^{\circ}$ ~122 $^{\circ}$ F				
Relative Humidity	0~95% Humidity, non-condensing				
Audible Noise	<55dBA				
PHYSICAL					
Dimensions (Physical/Packing) (in)	23.2x10.2x22.4/30.3x16.1x31.5	27.2x10.2x27.6/34.3x16.9x36.2	27.2x13.4x34.6/35x20.9x43.7	29.9x13.4x35.8/37.4x19.7x44.9	
Weight (Net/Gross) (lbs)	191.8/233.7	238.1/282.2	286.6/334	468.5/506	
(kg)	87/106	108/128	110/130	130/151.5	212.5/229.5
CONFORMANCE					
Approvals	UL /cUL; C-Tick, A-Tick; GOST-R				



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*Backup time depends on power consumption of equipment attached and on UPS battery capacity. Numbers here are for reference only. Specifications are subject to change without notice.