Standby UPS Series

Line Interactive UPS Series

On Line UPS Series

AVR Series

Inverter Series

Surge Series

Green Power Series

Networking Series

DS6000B / DS8000B / DS10000B / DS12000B / DS15000B / DS20000B
Online Double Conversion 1-phase input 1-phase output UPS

* DS6-20KB

Features

* Online double conversion design
* Pure sine wave output with less than 3% THD
* Fully digitized microprocessor control
* Power factor correction
* Selectable UPS output voltage
* High efficiency mode
* Cold start function (DC power on)
* Emergency power off function (EPO)
* Lightning and surge protection
* Short circuit and overload protection

* Fax/Modem/LAN data line surge protection
* Advanced battery management (ABM)
* Automatic battery charging in UPS OFF mode
* Automatic diagnostics and battery check-up
* Extended battery pack available
* Multilanguage LCD display
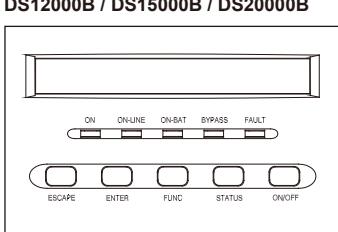* RS232 and USB Communication ports, UPS monitoring software

Specifications

Model Name	DS6000B	DS8000B	DS10000B	DS12000B	DS15000B	DS20000B
Topology	True On-Line, Double Conversion					
On-battery Output Waveform	Pure Sine Wave					
INPUT						
Maximum Capacity	6000VA / 4200W	8000VA / 5600W	10000VA / 7000W	12000VA/8400W	15000VA/10500W	20000VA/14000W
Nominal Input Voltage	208V / 220V / 230V / 240Vac					
Input Voltage Regulation	180-276Vac					
Nominal Input Frequency	50Hz / 60Hz Auto Sensing					
Input Short Protection	Circuit Breaker					
OUTPUT						
Nominal Output Voltage	208 / 220 / 230 / 240 V (1Φ, 2 wires) or 110 / 220V (1Φ, 3 wires, with Isolation Transformer)					
Output Voltage Regulation	Rated Voltage +/- 2%					
Output T.H.D	<3% T.H.D. at linear load					
High Efficiency Mode (AC to AC)	>97%					
Crest Factor	3:1					
Start on Battery	Yes					
Auto Restart	Yes					
Transfer Time	0 ms					
PROTECTION						
Data Line Surge Protection	RJ11 / RJ45					
BATTERY						
User Replaceable Batteries	12V / 7.2AH x 20 x 1set		12V / 9AH x 20 x 1set	12V / 7.2AH x 20 x 2sets		12V / 9AH x 20 x 2sets
Typical Backup Time (Full / Half load)	7 / 20 min	4 / 13 min	4 / 14 min	6 / 21min	4 / 15min	4 / 14 min
Recharge Time to 90%	<4Hours					
Extended Battery Pack (optional)	BP6000					
ADVANCED WARNINGS / DIAGNOSTICS						
Front Panel	On / On Line / On Battery / Bypass / Fault and 15-UPS status LCD display					
LED Panel	UPS Line-Mode (green) / On (green) / Battery Mode (yellow) / Bypass (yellow) / Fault (red)					
Audible Alarms	Battery Mode / Battery Test / Replace Battery / Low Battery / UPS fault / Overload					
UPS Fault	Continuous beeping sound and LCD display indication					
COMMUNICATIONS INTERFACE						
Communication Port	RS232 & USB					
SNMP Manageable	Yes					
ENVIRONMENTAL						
Operation Temperature	0°~40°C / 32°~104°F					
Relative Humidity	0~95% humidity, non-condensing					
Audible Noise	<55dBA					
Dimensions (Physical / Packing) (mm) (LxWxH)	590X257X570 / 770X410X800	690X257X700 / 870X430X920		690X342X878 / 888X527X1108	775X342X905 / 945X500X1135	
(in)	23.2X10.1X22.4/30.3X16.1X31.5	27.2X10.1X27.6 / 34.3X16.9X36.2		27.2X13.5X34.6 / 35.0X20.7X43.6	29.7X13.5X35.6 / 37.2X19.7X44.7	
Dimensions (Physical / Packing)(ISO) (mm) (LxWxH)	590X257X700/760X415X930	690X342X715 / 870X500X945		690X342X878 / 888X527X1108	775X342X905 / 945X500X1135	
(in)	23.2X10.1X27.6/29.9X16.3X36.6	27.2X13.5X28.1 / 34.3X19.7X37.2		27.2X13.5X34.6 / 35.0X20.7X43.6	29.7X13.5X35.6 / 37.2X19.7X44.7	
Weight (Net / Gross) (lbs)	191.6 / 233.5	237.9 / 281.9	242.3 / 286.3	418.9 / 460.8	451.9 / 496	468.1 / 505.5
(kg)	87 / 106	108 / 128	110 / 130	190 / 209	205 / 225	212.5 / 229.5
Weight (Net / Gross) (ISO) (lbs)	270.9 / 319.4	350.5 / 396.8		529.1 / 571	590.8 / 634.9	633.2 / 670.7
(kg)	123 / 145	159 / 180		240 / 259	268 / 288	287.5 / 304.5
CONFORMANCE						
EMI / RFI Compatibility	CE					
Safety Certifications						

windows 95/98 ME/NT · windows 2000 / XP 2003 / Vista · OPTI-SAFE Sentinel · CE · Sine Wave

Front Panel

DS6000B / DS8000B / DS10000B / DS12000B / DS15000B / DS20000B

ON ON-LINE ON-BAT BYPASS FAULT

ESCAPE ENTER FUNC STATUS ON/OFF

Rear Panel

DS6000B / DS8000B / DS10000B / DS12000B / DS15000B / DS20000B

SNMP Card Slot
EPO
RS232
USB

Maintenance Bypass Switch
Output Breaker
Input Breaker
Battery Cabinet Connector
RJ45 / RJ11

OPTI-UPS®
Protect and Serve