



DC Uninterruptible Power Supply

General Features:

AD series

- Used as power and charging device
- Short circuit protection for outputs
- Total discharge protection
- Soft start characteristic
- Smart battery condition monitoring
- Support different interface: USB, RSE232 and SNMP.
- Battery hot-swappable (External type)
- Zero interruption
- Wide input range(130~280Vac), 50/60 Hz.

BD series

- Used as power and charging device
- 6 channels protection outputs
- Total discharge protection
- Soft start characteristic
- Smart battery condition monitoring
- Thermal compensation charger
- Battery hot-swappable (External type)
- Zero interruption
- Wide input range(130~280Vac), 50/60 Hz.



ISO 9001

DC uninterruptible power supply

AD series-1U

Model (For Standard application)	AD-100L	AD-150L	AD-200L	AD-300L
Power Rating	100W	150W	200W	300W
Input voltage	90~280Vac			170~280V or 85~140V
Input current @220VAC	Max.1A	Max.1.5A	Max. 2A	Max. 3A
frequency	50/60Hz			
Output voltage	12V/24V/48Vdc (11Vdc~13.5Vdc at per nominal 12Vdc)			
Charge close voltage	13.5 VDC per 12V battery			
Max. Charging Power (No consumer power)	100W	150W	200W	300W
Max. allowable constant consumer power	90W	135W	180W	270W
Environmental temperature range	0 ~ 40°C			
Low battery signal	At approx. 11 Vdc per 12V battery			
Dry contact signal	AC-in Fail/Low Battery (Contact load 5A, Max.)			
Cooling	Natural cooling (Fan-less)		By Fan (Temp. controlled)	
Protection	Overload/Short Circuit Protection : Over Voltage Protection Over Temperature Protection : Low Battery Cut off Fuse for Positive Polarity - negative polarity wrong connection			
Device weight	3.5kg	3.5kg	4kg	4.5kg
Dimensions	1u x 25cm			
Battery Input	Anderson *1			
I/O Switch	AC Power on/off *1			
AC Input	IEC socket *1			
DC Output	Multiple screw terminals block *3			
Standards	Safety - EN60950			
Indicator	As following table			
Package	1 piece/CTN using cushion to fixed device			
Accessory (not included, except specified)	1. Power Cable IEC to any Type *1 2. Mounting bracket *2, Screw *6 (included) 3. Battery charger cable Anderson to 250 Terminal			

Front panel Display

LED	Input	Output	Charging	Battery
Row 1	Green/AC OK	Green/DC output OK	Green/Fully Charged	Red/Battery Replacement
Row 2	Yellow/Blackout	Yellow/Over load or short circuit	Yellow/In charging	Yellow/Battery low

BD series-2U

Model (For Emergency application)	BD-200L	BD-300L
Power Rating	200W	300W
Input voltage	90~280Vac	170~280V or 85~140V
Input current @220VAC	Max.2A	Max.3A
frequency	50/60Hz	
Output voltage	24V/48Vdc (9Vdc~14Vdc at per nominal 12Vdc)	
Charge close voltage at 20°C	13.7 VDC per 12V battery, with temperature compensation.	
Max. Charging Power (No consumer power)	200W	300W
Max. allowable constant consumer power	180W	270W
Max. Emergency Output current	180A (30A x 6 channels)	
Environmental temperature range	0 ~ 40°C	
Low battery signal	At approx. 9.5Vdc per 12V battery	
Cooling	Fan-less	
Protection	Overload/Short Circuit Protection : Over Voltage Protection Over Temperature Protection : Low Battery Cut off Fuse for Positive Polarity - negative polarity wrong connection	
Device weight	6kg	7kg
Dimensions	2u x 23cm (88 x 426 x 230mm)	
Battery Input	Anderson *1	
I/O Switch	AC Power on/off *1	
AC Input	IEC socket *1	
DC Output	Multiple screw terminals block *6	
Standards	Safety - EN60950	
Indicator	As following table	
Package	1 piece/CTN using cushion to fixed device	
Accessory (not included, except specified)	1. Power Cable IEC to any Type *1 ; 2. Mounting bracket *2, Screw *6 (included) 3. Battery charger cable Anderson to 250 Terminal 4. Battery Temperature sensing wire (included)	

Front panel Display

LED	Input	Controller	Battery
Green/AC OK	Green/Controller OK	Yellow/Battery Low	Yellow/Battery Fault

* Specifications subject to change without prior notice.

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