



BDA AND DAS BATTERY BACKUP SOLUTIONS

Hutton's Distributed Antenna System (DAS) Solutions provide a complete offering to enhance coverage and capacity. We stock a wide variety of products including active DAS equipment, fiber products, cabling and antennas.

Now includes
70% battery alarm
as a standard
feature

Hutton's BDA and DAS battery backup solutions provide a DC UPS (uninterruptable power supply) for mission critical and public safety and cellular DAS systems. These are powered by an industrial 3 stage charge controller and include a lockable NEMA4 enclosure, 10 year life sealed batteries, DIN rail mounted circuit breakers, all wired and ready to go to work for you. Common applications include NFPA required battery backup for your BDA and fiber based public safety DAS. Custom solutions available for large DAS applications and any application requiring a constant DC power source.

Features:

- 3 stage charge controller recovers battery quickly after an outage yet doesn't over charge the battery
- Lockable aluminum nema4 rated enclosure. Smaller units are wall mountable, larger are floor mounted
- Prewired and preconfigured for easy install
- Includes AC fail, rectifier fail and low battery alarms as required by NFPA based ordinances
- Available in 12, 24, 48VDC plus 110VAC and a wide variety of battery capacities to meet the needs of just about any load
- Breakers included, one per load, plus a battery disconnect
- Easy access DC connection points on the DIN rail
- Optional Smart technology allows you to remotely monitor power system, loads and battery condition via Internet of Things.
- Full bay customized units to house active headend equipment available. Can be ordered with cooling fans, A/C, Roxel cable entries, fiber management and more.

Put Hutton to work for you.

Contact a representative at 877.648.8866 or email DealerSales@huttoncom.com

Specifications:

- Customizable solutions to 1000AH and beyond
- 3 stage smart charge controller with alarms for AC fail, rectifier fail and low DC voltage
- Painted aluminum nema4 enclosure (size varies)
- Sealed lead acid batteries designed for 10+ years life
- One 15 Amp breaker for battery disconnect
- One or more 8 Amp breakers for loads
- AC input 115 or 230VAC
- Waterproof feedthroughs provided for cable entrances (not installed)
- Optional DC-DC Converter for dual voltages

Part Number Matrix

Model	Voltage	Battery Size*	Description
HUT-12BDA-CAB-28AH	12 VDC	28AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-12BDA-CAB-45AH	12 VDC	45AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-12BDA-CAB-100AH	12 VDC	100AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24BDA-CAB-28AH	24 VDC	28AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24BDA-CAB-45AH	24 VDC	45AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24BDA-CAB-100AH	24 VDC	100AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24BDA2-CAB-100AH	24 VDC	100AH	2 circuit breakers, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-12BDA-CAB-28AH	24 VDC	155AH	1 circuit breaker, wall mountable cabinet, 24"w, 19"h, 20"d
HUT-24BDA2-CAB-155AH	24 VDC	155AH	2 circuit breakers, wall mountable cabinet, 24"w, 19"h, 20"d
HUT-24BDA3-CAB-155AH	24 VDC	155AH	3 circuit breakers, wall mountable cabinet, 24"w, 19"h, 20"d
HUT-24BDA-CAB-200AH	24 VDC	200AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24BDA2-CAB-200AH	24 VDC	200AH	2 circuit breakers, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-48BDA-CAB-28AH	48 VDC	28AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-48BDA-CAB-45AH	48 VDC	45AH	1 circuit breaker, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-48BDA-CAB-100AH	48 VDC	100AH	1 circuit breaker, wall mountable cabinet, 24"w, 19"h, 20"d
HUT-48BDA2-CAB-100AH	48 VDC	100AH	2 circuit breakers, wall mountable cabinet, 24"w, 19"h, 20"d
HUT-48BDA-CAB-155AH	48 VDC	155AH	1 circuit breaker, floor mountable cabinet, 25"w, 30"h, 25"d
HUT-48BDA2-CAB-155AH	48 VDC	155AH	2 circuit breakers, floor mountable cabinet, 25"w, 30"h, 25"d
HUT-48BDA3-CAB-155AH	48 VDC	155AH	3 circuit breakers, floor mountable cabinet, 25"w, 30"h, 25"d
HUT-48BDA-CAB-200AH	48 VDC	200AH	1 circuit breaker, floor mountable cabinet, 25"w, 46"h, 30"d
HUT-48BDA2-CAB-200AH	48 VDC	200AH	2 circuit breakers, floor mountable cabinet, 25"w, 46"h, 30"d
HUT-48BDA3-CAB-200AH	48 VDC	200AH	3 circuit breakers, floor mountable cabinet, 25"w, 46"h, 30"d
HUT-110BDA-CAB-45AH	110 VAC	45AH	300 Watt inverter, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-110BDA-CAB-100AH	110 VAC	100AH	300 Watt inverter, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24-110BDA2-CAB-100AH	24 VDC & 110VAC	100AH	2 circuit breakers, wall mountable cabinet, 26"w, 22"h, 10"d
HUT-24-48BDA2-CAB-100AH	24 & 48 VDC	100AH	2 circuit breakers (1@24, 1@48), wall mountable cabinet, 26"w x 22"h, 10"d
HUT-24-48BDA3-CAB-100AH	24 & 48 VDC	100AH	3 circuit breakers (1@24, 2@48), wall mountable cabinet, 26"w x 22"h, 10"d
HUT-24-48BDA2-CAB-200AH	24 & 48 VDC	200AH	2 circuit breakers (1@24, 1@48), floor mountable cabinet, 25"w x 46"h, 30"d
HUT-24-48BDA3-CAB-200AH	24 & 48 VDC	200AH	3 circuit breakers (1@24, 2@48), floor mountable cabinet, 25"w x 46"h, 30"d
HUT-24-48BDA2-CAB-310AH	24 & 48 VDC	310AH	2 circuit breakers (1@24, 1@48), floor mountable cabinet, 25"w x 46"h, 30"d
HUT-24-48BDA3-CAB-310AH	24 & 48 VDC	310AH	3 circuit breakers (1@24, 2@48), floor mountable cabinet, 25"w x 46"h, 30"d

*Based on 8 hour discharge rate to 1.75V per cell. 12 and 24 hour discharge rates will increase capacity slightly

Sizing Matrix

For all DC Solutions			
12 Hour Backup*		24 Hour Backup*	
Power consumption in Amps	Battery capacity needed	Power consumption in Amps	Battery capacity needed
<1.9 Amps	28 AH	<1 Amp	28 AH
1.9 to 3.1 Amps	45 AH	1 to 1.5 Amp	45 AH
3.1 to 6.9 Amps	100 AH	1.5 to 3.5 Amps	100 AH
6.9 to 10.7 Amps	155 AH	3.5 to 5.4 Amps	155 AH
10.7 to 13.9 Amps	200 AH	5.4 to 6.9 Amps	200 AH
For 110 VAC Solutions			
12 Hour Backup*		24 Hour Backup*	
<65 Watts	45 AH	<31 Watts	45 AH
65 to 140 Watts	100 AH	31 to 70 Watts	100 AH

Larger systems available. We provide custom solutions up to 700AH

* Based on terminal voltage of 1.75 volts per cell and with 20% reserve capacity built in for battery derating over time

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