



# Cercis Astro

**DC:DC Adapter - Models A632, A633, A634  
AC Adapters—Models A631, A631E, A631S  
Digital SLR Camera Accessory**

## DC:DC Adapters

**Tired of your DSLR batteries running out in the middle of the night? Don't have AC power available?** With Cercis Astro DC Adapter (DC-DC power supply) for DSLR cameras, you can now power your camera from the same power supply as your mount, dew heater and other accessories.

Cercis Astro offers 12 VDC power supply for Canon EOS and Rebel XT/XTi DSLR cameras. A power jack fits into the battery slot of the camera, and is securely connected to the power supply, and the auto-jack is connected to a 10-15 V battery (auto cigarette lighter or dedicated battery). The A632 or A633 power supply lets the DSLR-astronomer work without the need for AC power on-site, and without the heating and short-time charge constraints of the camera battery pack.

The A632 fits Canon Rebel XT or XTi (350 or 400D) cameras; it also includes Rebel-series AC power pack. The A633 fits Canon EOS (5D, 10D, 20D/20Da, 30D or Rebel 300D ) cameras, and includes AC power pack. A634 DC power supply for Nikon cameras available later.



## AC Adapters—A631 , A631E & A631S

Parameter	DC Coupler	AC Adapter (Auto Switching)	Other Info
<b>A631</b>			
Voltage	7.0 V 1.9 A (Input & Output)	100—240 V AC, 50-60 Hz (Rated Input)	Cameras: Canon 350D/400D Rebel XT/XTi
Dimensions	33 X 15.9 X 45.4 mm (1.3 X 0.6 X 1.8 in)	81 X 29 X 56 mm (3.2 X 1.1 X 2.2 in)	
Weight	20 g (0.7 oz)	110 g (3.9 oz) <i>excl pwr cord</i>	Battery Type Canon NB-2LH 7.4 V 720 mAh
<b>A631E</b>			
Voltage	7.8—8.1 V DC (Input & Output)	100—240 V AC, 50-60Hz (Rated Input)	Cameras: Canon 300D Rebel, 5D, 10D, 20D/20Da, 30D, 40D
Dimensions	38.4 X 21 X 55.3 mm (1.4 X 0.6 X 2.1 in)	50 X 30 X 86 mm (2 X 1.2 X 3.4 in)	
Weight	20 g (0.7 oz)	110 g (3.9 oz) <i>excl pwr cord</i>	Battery Type Canon BP-511 7.4 V 1100 mAh
<b>A631S</b>			
Voltage	7.4 V DC (Input & Output)	100—240 V AC, 50-60 Hz (Rated Input)	Cameras: Canon 450D Rebel Xsi
Dimensions	36 X 14.7 X 53.1 mm (1.4 X 0.6 X 2.1 in)	112 X 29 X 45 mm (4.4 X 1.1 X 1.8 in)	
Weight	20 g (0.7 oz)	185 g (6.5 oz) <i>excl pwr cord</i>	Battery Type Canon LP-E5 7.4 V 1080 mAh
Power Cord ~ 2 m (~ 6 ft), US Plug		DC Cord ~2 m (~6 ft)	All info from mfrs

**Connecting the DC Coupler (simulated battery) to the Camera & the DC Adapter or AC Adapter to Power Source**

- 1) **Open the camera battery chamber and remove the battery.**
- 2) **Insert the DC coupler (simulated battery) and fit the cord into the cord channel; the DC coupler will lock in place.**
- 3) **Close the battery chamber cover so that it clicks.**
- 4) **Connect the DC coupler cord to the AC adapter or the the A632, A633, or A635 DC adapter.**
- 5) **For DC adapter, plug the auto lighter jack into a cigarette lighter plug. For AC adapter, plug into power outlet.**

**When finished, follow this procedure in reverse (i.e. unplug from DC or AC power source, disconnect the adapter, and remove the DC coupler from the camera).**

**Do not unplug/remove the power cord while the camera is switched on.**

Specifications subject to change with notice. All specs @ 25C 10/08 DC\*Rev.CD



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**Connections for A631, A631E, A631S, A632 & A633 . . .**



Operating & Mechanical Data - DC Adapter (Power Supply)		
Dimensions	in.	3.25 X 2.3 X 0.8
Weight—DC:DC Converter	oz	5
Weight—shipping (estimated) A632	lb	0.75
Weight—shipping (estimated) A633	lb	1.5
Temperature Range—Operating	C (F)	-35 to +50 ( 0 to 50)
Temperature Range—Storage	C (F)	-35 to +50 ( 0 to 50)

Part No.	Description
Part No	Description
A631	AC Power Adapter Canon XT/XTi 350/400D
A631E	AC Pwr Adapter (ACK-E2) EOS 300,5,10,20,30,40D
A631S	AC Pwr Adapter (ACK-E5) XSi 450D
A632	DC Adapter XT/XTi 350/400D DC + A631 AC Adapter
A633	DC Adapter EOS 300,5,10,20,30D + A631E AC Adptr
A634	DC Adapter for Nikon <i>To Be Announced</i>
A635	DC Adapter XSi 450D DC + A631S AC Adapter
A636	<i>TBA</i>
A637	USB-A-to-Mini-USB, 15 ft.

**Other Cercis Astro products . . .**

**Discover & Capture Your Piece of the Sky . . .**

*Discover It . . . With the FocusStar controller*

A precision stepper motor fits on your telescope's focus. A second motor can accommodate another telescope or autoguider. See page: <http://cercisastro.com/FocusStar.html>

*Capture It . . . With the DslrStar astrophotography controller*

Connect your DSLR camera to your telescope, then program long exposure sequences either by computer or stand-alone. DslrStar stores exposure information in its memory. An autoguider port supports webcams or Meade DSI using any ASCOM-ready autoguiding software. See DslrStar page: <http://cercisastro.com/DslrStar.html>

*. . . Or with DslrLite software*

that interfaces between Canon or Nikon DSLR camera bulb & computer. DslrLite allows the user to easily focus and set an unlimited number of exposure sequences. Image FITS files may be stored to the camera memory card or to the computer hard disk. See DslrLite: <http://cercisastro.com/DslrLite.html>

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