



DAVID Power Packs Block Batteries NiMH

BBP Light bv • Abberdaan 194 • 1046 AB Amsterdam
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The **DAVID Power Packs** are derived from the Cine 60 Battery Belts: 9.5Ah at up to 30V. They were developed for use with equipment having extensive power consumption like the new HD-CINE cameras or the new ArriCams.

The integrated HF Charger with its sophisticated control electronics insures that the NiMH-Cells cannot be overcharged even if the Power Pack is left connected to the mains power long after it is fully charged. In addition, a low voltage electronic fuse protects the cells from deep discharge, so that the maximum lifetime of the cells is guaranteed.

As with our Battery Belts, we offer economical cell replacement should the cells be completely drained after years of use. Each housing, manufactured from highly resilient deep drawn PE is handmade and fitted with selected cells.

The **DAVIDs** are available in a variety of configurations from 26,4V up to 30V at 9.5Ah. The 26,4V version is also available in a switchable version which allows for an output of 13.2V at 19Ah. Voltage switching is achieved via a vandalproof switch which also insures that only the selected voltage is available at the designated output. The outputs can be either 3, 4 or 5-pin XLR connectors or a combination of two of them, whichever you prefer.

Additional configurations relating to output connectors, the norm of their wiring or even unusual voltages are also possible and can be manufactured in small batches. We invite you to inform us of your needs. We'll provide the proper connection.

PowerPacks DAVID:				
C6-PH2609.U	26,4 / 13,2 V	9,5 / 19 Ah	1x XLR 3 pin, 1x XLR 5 pin	
C6-PH2809	28,8 V	9,5 Ah	1x XLR 3 pin, 1x XLR 5 pin	
C6-PH3009	30 V	9,5 Ah	1x XLR 4 pin, 1x XLR 5 pin	

And if 30V / 9,5 Ah is not enough: there's also the **GOLIATH** with 30V and 16Ah. **GOLIATH** comes without an internal charger but a charger is available. Price upon request.



Electronic Belt II Battery Belts NiMH

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The **Electronic Belts II** are the most recently improved examples in the long tradition of Battery Belts which Cine 60 has been manufacturing for decades.

The integrated HF Charger with its sophisticated control electronics ensures that the NiMH-Cells cannot be overcharged even if the belt is left connected to mains power long after it is fully charged. In addition, a low voltage electronic fuse protects the cells from deep discharge, so that the maximum lifetime of the cells is guaranteed.

Another valuable point is that even if the cells are drained after numerous years of use, the belts are constructed in such a way that cell replacement is easy and economical. The robust Cordura webbing and durable battery housings are generally capable of withstanding years of rigorous usage.

The belts are available in various configurations. Beginning at 12V or 13.2V on through to 30V – all with 9.5Ah capacity. The 26.4 and 24 V Battery Belts are also available with switchable voltages. These belts provide outputs for either half the voltage at double the capacity on one specially marked output or nominal voltage at 9.5Ah (usually XLR 3 pin). Switching is achieved through a vandalproof switch. For safety reasons, the output marked with the lower voltage will be switched off, when the high voltage is selected (usually XLR 4 pin).

Additional configurations relating to output connectors, the norm of their wiring or even unusual voltages are also possible and can be manufactured in small batches. We invite you to inform us of your needs. We'll provide the proper connection.

Electronic Belts II:				
C6-BH1209	12 V	9,5 Ah	2x XLR 4 pin	
C6-BH1309	13,2 V	9,5 Ah	2x XLR 4 pin	
C6-BH1409	14,4 V	9,5 Ah	2x XLR 4 pin	
C6-BH2809	28,8 V	9,5 Ah	1x XLR 3 pin	
C6-BH3009	30 V	9,5 Ah	1x XLR 4 pin	
Dual Electronic Belts – with vandalproof switch:				
C6-BH2409.U	24 / 12 V	9,5 / 19Ah	1x XLR 3 pin, 1x XLR 4 pin	
C6-BH2609.U	26,4 / 13,2 V	9,5 / 19Ah	1x XLR 3 Pol, 1x XLR 4 pin	



Dual HF Charger for NiCd & NiMH Batteries

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The design and technology incorporated into the **Dual-HF Charger** have their roots in the large family of HF-Chargers which Cine 60 has been manufacturing for decades. The charger can charge both NiCd and NiMH batteries such as those for the ARRI 16 SR II, the ARRI 16 SR 3 or the On Board Batteries for the ARRI 235: the OBB 1 (see above).

The charger is outfitted with a monitoring system to insure that the batteries can not be overcharged even if they are left connected to the mains power for an extended period of time.

Features of the **Dual-HF Charger**:

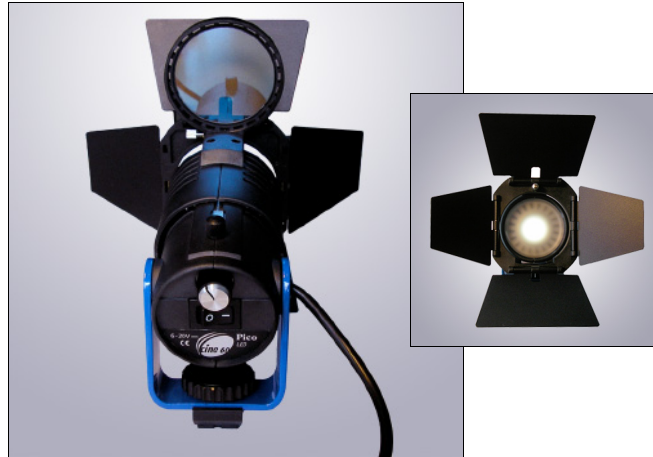
- Automatic Mains Input (90 – 250V AC)
- Microprocessor Monitoring System
- Simultaneous Charging of 2 batteries
- Can be used with original NiMH ARRI Akkus
- Light weight: 540g

Dual Charger:	
C6-CH1625	Dual HF Charger LG1625



PICO LED 4W LED camera light

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The PICO LED is the latest Cine 60 product. Having the same durable housing as the PICO 3, it uses an LED rather than an HMI and also has an incorporated dimmer.

LED technology is the most efficient lighting technology available at the moment. But the dispersion of the available light can be a problem. Using only one very bright LED tends to make the talent squint as the light is very bright and very intense at the source, the usable illumination, on the other hand, is minimal. The alternative is to use a cluster of LEDs which, if poorly condensed, often leads to multiple shadows.

Our solution is to use one powerful LED – and a glass lens, that disperses the light in a way very similar to normal tungsten lamps. The angle of radiation we reach with the lens is approximately 60°! Colour temperature is 6000° Kelvin; our optional colour-correction filter brings that down to 4500° Kelvin.

The effective illumination of the 3W LED combined with the lens can be compared to that of a 20W tungsten camera light. The built-in dimmer allows for reducing the intensity without severely changing the color temperature.

The **PICO LED** can be operated from 6.8V to 20V - so it can be used either directly with DV / HDV type batteries - or it can be connected to the power-outlet of your camcorder. The power consumption is approx. 4W which means that the lamp will not increase the total power consumption of the camera to a point which can be harmful for most of the camera batteries currently available. This aspect is especially important when the camera is one of the new, power hungry HD generation.

Of course the **PICO LED** can also be used with one of our battery belts in which case it will run for days on end.

Technical Data PICO LED:	
operating voltage	6.8 V – 20 V, power consumption approx. 4W
weight	380 g (incl. filter + 4-barn-door + short cable)
color temp.	6000K (approx. 4500K with optional filter)
connecting cable	XLR-4Pin (150cm) or D-Tap (AntonBauer 50cm)
C6-LPL100	PICO LED with 4-barn door, 30cm cable, D-Tap (AB-plug)
C6-PICO3.F	Colour correction filter



The **PICO 3** has been conceived and developed as a classical "headlight" for use with camcorders.

The goal was to produce a lamp with an economical ratio of illumination to power consumption. This goal has been more than reached. The 10W HID bulb used in the PICO 3 is very robust and, when used properly, can be operated more than 1000 hours without loss of color temperature. The extremely efficient, integrated electronic ballast insures a maximum in reliability while power consumption is held at an absolute minimum.

In addition, a welcome side effect is that, even after long continuous operation, the temperature on the outside of the housing never exceeds 50° C. Filter and color gels are spared exposure to high temperatures.

With a maximum power consumption of 12W, the **PICO 3** can be used economically on a camcorder without an additional power source. Possessing a wide input voltage range from 7.2 – 16.8VDC it can even be powered directly from one single DV / HDV battery.

To focus the lamp, push the front part back and forth. The movement is very slight but the focusing ratio is nevertheless 3:1.

The **PICO 3** offers distinctive advantages: better economics, longer life expectancy and a higher light efficiency.

Technische Daten PICO 3:	
operating voltage	7,2 V – 16,8 V, power consumption 12W
luminous flux	550lm, focus ratio 3:1
weight	417 g (incl. filter + 4-barn-door + cable)
color temp.	5500K (4200K with filter)
connecting cable	XLR-4Pol (150cm) or D-Tap (AntonBauer 60cm)
C6-PICO3	PICO 3 mit 1,5m cable, XLR 4-pin plug
C6-PICO3.AB	PICO 3 mit 0,6m cable, D-Tap (AB-plug)
C6-PICO3.F	artificial light filter (4200K)
C6-PICO3.B	4-barn doors