

EXTREME LI-ION

Long lasting, high capacity Li-Ion Batteries

hähnel
quality accessories

Taking it to the EXTREME Increased ultra-high capacity

A reliable camera battery is a must-have for any photographer or videographer, and the EXTREME battery range is designed to offer just that. With a unique internal silicone construction that helps absorb shock to the internal cells and PCB, these batteries provide an extra layer of protection and maintain optimal performance even in extreme conditions.

UL-approved cells are carefully selected for their voltage stability and extended cycle life, ensuring consistent, reliable power when you need it most. And unlike other batteries that may not perform as well in the field as they do in lab testing, the EXTREME battery range has been put through its paces with different cameras to provide accurate, reliable results that reflect real-life usage.

Whether you're shooting photos or video, the EXTREME battery range is the perfect choice for photographers and videographers who demand the best. So don't settle for less – choose the EXTREME battery range and ensure that you never miss a shot or important moment due to a dead battery.

High Performance

For high-performance camera batteries, capacity is only part of the story. While capacity is measured in mAh, it doesn't always reflect real-world performance. The EXTREME battery range from hähnel is built to deliver superior performance and reliability with UL-approved cells and unique silicone construction. Extensive testing with a variety of cameras ensures an accurate and comparable real-life result, providing the confidence you need to capture the perfect shot.

Extreme Durability

Designed to withstand the toughest shooting situations and harshest conditions, these batteries feature a unique internal silicone construction that absorbs shock and provides an extra layer of protection.

Stand out from the rest

The Orange & grey housing colour make the batteries easy to find in the dark confines of a camera bag. Standing out from the traditional black makes them easy to identify and look attractive also.



HLX-E6P	HLX-EL14	HLX-EL15HP	HLX-F125	HLX-H1	HLX-OX1	HLX-XZ100	HLX-XW50
2400mAh For Canon	1100mAh For Nikon	2400mAh For Nikon	1370mAh For Fujifilm	2000mAh For Olympus	2400mAh For Olympus	2400mAh For Sony	1200mAh NEW For Sony
EOS-5D MK II / 5D MK III / 5D MK IV / 5DS / 5DSR / 6D / 6D MK II / 7D / 7D MK II / 60D / 60Da / 70D / 80D / 90D / C700 / R / R5 / R5C / R5 II / R6 / R6 MK II / XC10 / XC15	Nikon Df / D3100 / D3200 / D3300 / D3400 / D3500 / D5100 / D5200 / D5300 / D5500 / D5600 / P7000 / P7100 / P7700 / P7800	D500 / D600 / D610 / D750 / D780 / D800 / D800E / D810 / D810A / D850 / D7000 / D7100 / D7200 / D7500 / V1 / Z5 / Z6 / Z6 II / Z7 / Z7 II / Z8 / Zf	GFX series / GFX50R / GFX50S / GFX100	OM / M1 / E-M1 Mk II / E-M1 Mk III / E-M1X / E-M5 Mk III / E-M10 Mk II / E-M10 Mk III / E-M10 Mk IV	OM System / OM-1	Alpha 1 / Alpha a7S III / Alpha a7R III / Alpha a7R IIIA / Alpha a7R IV / Alpha a7R IVA / Alpha a9 / Alpha a9 II / Alpha a7 III / Alpha a6600	a2000/3000/5000/5100/6000/6100/6300/6400/6500/A7R /A7R II/ A7S II /Alpha 7/7 II/7S/ DSC-RX10/ RX10 II /RX10 III/ RX10 IV/ ILC-5000Y/ 5000L/ 6000/QX1/ NEX-3/3N/3NY/5/5N/ 5R/5T/7/C3/F3/SLT-A33/A35/A37/A50/ A55V /ZV-E10
Part No: 1000 149.7	Part No: 1000 149.2	Part No: 1000 149.3	Part No: 1000 149.4	Part No: 1000 149.1	Part No: 1000 149.5	Part No: 1000 149.6	Part No: 1000 149.8

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15-07-26

EXTREME BATTERIES



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High Performance

Shoot count test HLX-FZ100 vs original NP-FZ100

When it comes to high-performance camera batteries, it's essential to understand that standard "mAh" capacity measurements don't always reflect real-world usage. In actual usage scenarios, cameras draw energy from the battery differently, with higher bursts of discharge during photo taking and more significant drains during video recording in live view mode. Moreover, different camera brands and types may have varying battery demands and may shut down at different minimum voltage levels. To ensure superior battery performance, Hähnel has carried out extensive battery performance testing that provides relevant and comparable real-life results. By testing our EXTREME battery range with various cameras and usage scenarios, we can guarantee that our batteries deliver the power and reliability you need for every shot.

TESTING PARAMETERS

Different brand and camera models (DSLR & Mirrorless) are used for testing

One Photo taken every 4 seconds (shot count) and continuous live video recording done (Video recording)

Identical Camera setting used in all test (ISO, Shutter speed, aperture, screen playback time, file size, FPS, etc.)

Multiple test done to ensure a consistent average result

Test Results

Shot count



R5 MK II

Hähnel HLX-E6P

3094 shots

27.7% higher performance
from HLX-E6P

Canon LP-E6P

2423 shots



A6000

Hähnel HLX-XW50

1462 shots

11.7% higher performance
from HLX-XW50

Sony NP-FW50

1302 shots

Video recording



R5 MK II

Hähnel HLXE6P

1hr 12min

7.5% higher performance
from HLX-E6P

Canon LP-E6P

1hr 7min



A6000

Hähnel HLX-XW50

1hr 42min

9.7% higher performance
from HLX-XW50

Sony NP-FW50

1hr 33min





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Stand's out from the rest

The EXTREME camera battery range stands out from the rest not just in terms of its durability and performance, but also in its design. The orange makes it effortless to locate your battery quickly in your camera bag whilst traditional black batteries can easily blend in with the other items in your bag. Our distinctive color also gives your gear a unique and standout look that sets it apart from the rest.

Extreme Durability

These EXTREME batteries are built to last, featuring a unique internal silicone construction that provides an extra layer of protection to the cell and PCB, allowing them to withstand heavy use and wear and tear. With the ability to absorb shock from impacts and the results of extensive testing showing that they can survive drops of up to 3 meters onto hard surfaces, the EXTREME battery range is engineered to deliver superior performance in the toughest shooting conditions.



Parameter	HLX-E6P	HLX-EL14	HLX-EL15	HLX-F125	HLX-H1	HLX-0X1	HLX-XZ100	HLX-XW50
% more Images than orig. battery	28% (R5 II)	33% (D5200)	6% (D7200)	20% (GFX50S)	21%(OMD-EM1 II)	7.7% (OM1)	6.5% (A6600)	12% (A6000)
% more video than orig. battery	7% (R5 II)	28% (D5200)	-	10% (GFX50S)	15%(OMD-EM1II)	6.4% (OM1)	7.4% (A6600)	10% (A6000)
Chemistry	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion
Cell type		ICP543447ARG	18500 UL	ICP673447	18500 UL		18500 UL	
Rated capacity (mAh)	2400	1100	2400	1370	2000	2400	2400	1200
Minimum capacity (mAh)	2300	1000	2300	1300	1900	2300	2300	1100
Nominal voltage (V)	7.2	7.4	7	10.8	7.4	7.2	7.2	7.2
Energy (Wh)	17.3	8.1	17.3	14.8	14.8	17.3	17.3	8.6
Charge retention (28 day's @ 25 C	>80%	>80%	>80%	>80%	>80%	>80%	>80%	>80%
Cycle life	500+	500+	500+	500+	500+	500+	500+	500+
Charge method	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage	Constant current / Constant voltage
Charge voltage regulation (V)	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07	12.6 +/- 0.07
Maximum charge current (mA)	2300	1000	2300	1300	1900	2300	2300	1100
Maximum discharge current (mA)	2300	1000	2300	1300	1900	2300	2300	1100
Charge temperature (C)	0 ~ +40	0 ~ +40	0 ~ +40	0 ~ +40	0 ~ +40	0 ~ +40	0 ~ +40	0 ~ +40
Discharge temperature (1C rate)(C)	-20 ~ +60	-20 ~ +60	-20 ~ +60	-20 ~ +60	-20 ~ +60	-20 ~ +60	-20 ~ +60	-20 ~ +60
Storage (3 month) temperature	-20 ~ +40	-20 ~ +40	-20 ~ +40	-20 ~ +40	-20 ~ +40	-20 ~ +40	-20 ~ +40	-20 ~ +40
Contact cover or case	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over discharge voltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Short circuit protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over charge voltage protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over discharge current protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Weight – battery only (g)	80	48	75	90	90	81	85	
Dimension (mm)	21x38.5x57	14x38x52.5	20x39x55.5	26x30x55.5	19.5x44x52.2	21x39x55	23x39x52	45.2x31.8x18.5
Gravimetric energy (Wh/kg)	216	169	231	164	164	214	203	
Volumetric energy density (Wh/L)	382	290	398	344	324	390	361	

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