

STEADICAM®

PowerCube™

- PowerCube™ utilizes New Lithium-Ion (Li-Ion) Technology never before used in broadcast/film industry.
- PowerCube was researched and developed based on extensive application knowledge of Tiffen/Steadicam and innovative battery technology of IDX.
- PowerCube is the world first IATA compliant Li-Ion battery pack designed and developed for the energy demanding film camera applications.
- PowerCube is designed to withstand extreme in-rush for high rate film speeds (Arri 435: 150 frames/sec).
- PowerCube is able to provide continuous high rate discharge unimaginable by previous Li-Ion technology — Continuous draw is up to 10A (120W). Steadicam 24V application can draw up to 240W.
- PowerCube breaks the limitations of previous Li-Ion performance and yet maintains the great attributes of its predecessor (high energy to weight ratio, no memory effect, and cold temp performance).
- PowerCube also addresses high rate energy needs for HD video camera applications.
- PowerCube's cylindrical Lithium-ion technology has not sacrificed durability against rough handling, unlike ones with fragile-power-only cell technology.
- PowerCube comes with triple safety protection inside the battery.
- PowerCube can be recharged with the variety of IDX Li-Ion charging devices that are widely available all over the world.



STEADICAM® PowerCube™ System Specifications

• Nominal capacity	6.15Ah, 88Wh
• Nominal voltage	14.4V
• End voltage	12.0V
• Maximum output voltage	16.8V
• Maximum discharge current	10.0A (120W)
• Ambient temperature for usage	
To charge:	
32°F ~ 104°F (50°F ~ 86°F recommended) • 0°C ~ 40°C (10°C ~ 30°C recommended)	
To discharge:	
-4°F ~ 113°F (50°F ~ 104°F recommended) • -20°C ~ 45°C (10°C ~ 40°C recommended)	
To store:	
-4°F ~ 140°F (32°F ~ 68°F recommended) • -20°C ~ 60°C (0°C ~ 20°C recommended)	
Weight:	722g typ. (1.59 lbs.)
Dimension:	H: 142mm (5.59") W: 85mm (3.35") D: 50mm (1.96")

PROTECTION SYSTEM

The Power Module has protection circuits inside the battery pack. These include Over charge protection, Over discharge protection, Over current protection, Temperature protection. These are inside the battery cell with current block mechanics and safety valve.

- Over charge protection (RESET)
- Over discharge protection (RESET)
- Over current protection (RESET)
- Temperature protection (NON-RESET)

DISPLAY FUNCTIONS:

- Display element: Display on 3 LED
- Display color: Green
- Display Operation: Led lights when LED button is pressed.
- LED Display detail

Situation	E	Middle	F
Full charge or almost full charge	●	●	●
Possible discharge	●	●	○
Need to charge	●	○	○

● = ON

○ = OFF

LED status is to show the condition for battery voltage. It does not show the battery capacity.



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