

# STEADICAM<sup>®</sup>

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## POWER CUBE

- Power Cube™ utilizes New Lithium-Ion (Li-Ion) Technology never before used in broadcast/film industry.
- Power Cube was researched and developed based on extensive application knowledge of Tiffen/Steadicam and innovative battery technology of IDX.
- Power Cube is the world first IATA compliant Li-Ion battery pack designed and developed for the energy demanding film camera applications.
- Power Cube is designed to withstand extreme in-rush for high rate film speeds (Arri 435: 150 frames/sec).
- Power Cube is able to provide continuous high rate discharge unimaginable by previous Li-Ion technology — Continuous draw is up to 10A (110W). Steadicam 24V application can draw up to 220W.
- Power Cube 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).
- Power Cube also addresses high rate energy needs for HD video camera applications.
- Power Cube's cylindrical Lithium-ion technology has not sacrificed durability against rough handling, unlike ones with fragile-power-only cell technology.
- Power Cube comes with triple safety protection inside the battery.
- Power Cube can be recharged with the variety of IDX Li-Ion charging devices that are widely available all over the world.



# STEADICAM POWER CUBE™ SYSTEM SPECIFICATIONS

- Nominal capacity 6000mAh
- Nominal voltage 14.8V
- End of discharge voltage 11.0V
- Nominal charge voltage 16.8V
- Maximum charge voltage 17.0V
- Maximum charge current 5.7A
- Maximum constant discharge current 10.0A
- Ambient temperature for usage
  - Charge: 32~113° F or (0~45° C)
  - Discharge: -4~122° F or (-20~50° C)
  - Storage: -4~140° F or (-20~60° C)

Weight: 750g typ.

Dimension: H: 142mm  
W: 85mm  
D: 50mm

## 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
- Over discharge protection
- Over current protection
- Temperature protection

## 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.

