

Instruction Manual (Simplified Summary) for AW-ES-10/AW-ES-10A Electric Stretcher Trolleys

I. Basic Information

Manufacturer: Hunan Anwenhao Medical Device Co., Ltd.

Address: Room 18, 312th Floor, Building 4, Hunan University Science and Technology Industrial Park,
No. 001 Xintian North Road, Ningxiang High-Tech Industrial Park, Changsha City, Hunan Province

Product Models: Two types available



Basic Type (AW-ES-10)

Telescopic Type (AW-ES-10A): Total length is approximately 1640mm when the armrest is retracted, facilitating elevator access

Core Standards: Complies with standards including GB9706.1-2020, YY9706.102-2021, and YY-T 1638.1-2019

Service Life & Warranty:

Service life: 6 years

Warranty period: 1 year (counting from the invoice date; warranty becomes void if repaired by non-designated personnel or disassembled/modified without authorization)

II. Core Performance & Parameters



(I) Key Performance

Electrically controlled lifting/lowering (speed: approx. 110mm/s); boarding height can be locked ($\leq 750\text{mm}$) via a travel switch, enabling smooth loading onto/unloading from ambulances without requiring multiple personnel.

Equipped with LED lighting (constant-on/flashing modes) and an acousto-optic warning system, suitable for dimly lit environments or areas with dense pedestrian traffic.

Adjustable stretcher surface: The back pad has a maximum lifting angle of $\geq 75^\circ$, and the leg pad has a maximum lifting angle of $\geq 15^\circ$, both with stepless adjustment.

Large-diameter, wide casters; rear casters with brakes. Directional locking only allows simultaneous locking of front and rear casters; locking casters on the same side or diagonal casters is prohibited (to prevent tipping).



(II) Simplified Core Parameters

Category	Specific Parameters
Dimensions	- Basic Type: Total length 1950 ± 50mm
	- Telescopic Type: 1950 ± 50mm (extended), 1636 ± 50mm (retracted)
	- Total width: 550+50/-20mm
Height	- High position: 1240mm
	- Low position: 370mm (both measured from the upper surface of the hip pad to the ground)
	- Lifting stroke: 870mm
Load Capacity	- Rated load: 135kg
	- Maximum load: 160kg
	- Self-weight: ≤110kg
Environment	- Applicable temperature: -20~+40 °C
	- Relative humidity: ≤ 80%
	- Altitude: ≤2000m
Power Supply	Lithium iron phosphate battery pack (DC25.6V, 2500mAh); rated motor power: 500W

III. Structure & Accessories

Main Structure: Indivisible combination of

Stretcher surface (including guardrails, safety belts, and invertible IV stand)

Transfer trolley (including hydraulic actuator, battery compartment, and travel casters)

Essential Accessories: Electric stretcher trolley, instruction manual, product certificate, warranty card, on-board lithium battery

Optional Accessories: AW-EB-10 stretcher compartment (must be used in conjunction), portable charger,

on-board charger

IV. Key Operation Points

(I) Loading onto/Unloading from Ambulance

Unloading:

Open and secure the ambulance's rear door → Unlock the stretcher compartment → Pull the stretcher trolley to the limit position → Press the "Up" button to extend the bottom frame → Push the trolley away once the casters land stably and the boarding casters are off the rail.

Loading:

Push the stretcher trolley onto the stretcher compartment rail → Press the "Down" button to fold the bottom frame → Push the trolley into the ambulance after confirming it is locked → Close the rear door.



(II) Emergency Operations

Manual Lifting/Lowering: For emergency use only (e.g., dead battery or motor failure). Requires 2 personnel to cooperate in pulling the manual pressure relief valve to control the stretcher's lifting/lowering.

Emergency Switch: Located on the right side of the battery compartment. Press it to cut off power in case of hazards such as overloading, short circuit, or body part entanglement; pull out the button to reset after the hazard is eliminated.

V. Usage & Maintenance Taboos

Operation Taboos:

Unauthorized operation by non-professionals, overloading, lateral transportation, and equipment modification are prohibited.

During transfer, raise the guardrails and fasten the safety belts (4-point belt for upper body fixation, 2-point belt for lower body fixation); the patient's head should face the direction of movement.

Battery Maintenance:

Remove the battery if not in use for over 48 hours; store it in a dry environment at 0~20°C and charge it every 15 days.

Only use the original charger. In case of battery failure, let it stand for 30 minutes to 4 hours; replace it if the failure persists.

Cleaning Requirements:

Wipe with a neutral cleaning agent (pH6.5~7.5); disinfect high-touch areas (armrests, safety belts) with 75% alcohol.

Splashing water and using volatile solvents (e.g., gasoline) are prohibited. Turn off the power and

remove the battery before cleaning.