



# TRAIL-BRAKER

**HEAVY DUTY ALL-TERRAIN TRAILERS BY IAS**

International Automated Systems, "Flight Line Specialists"  
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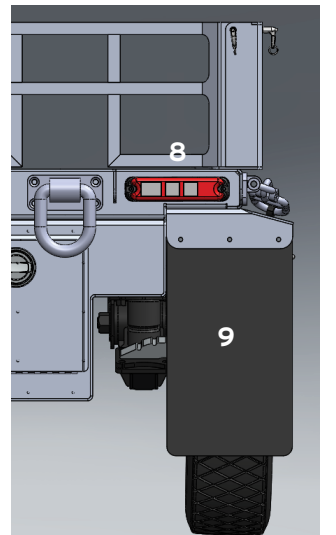
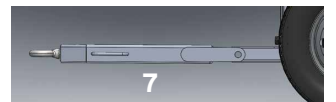
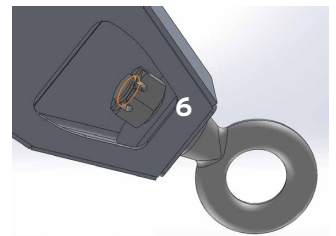


**INTERNATIONAL  
AUTOMATED  
SYSTEMS**

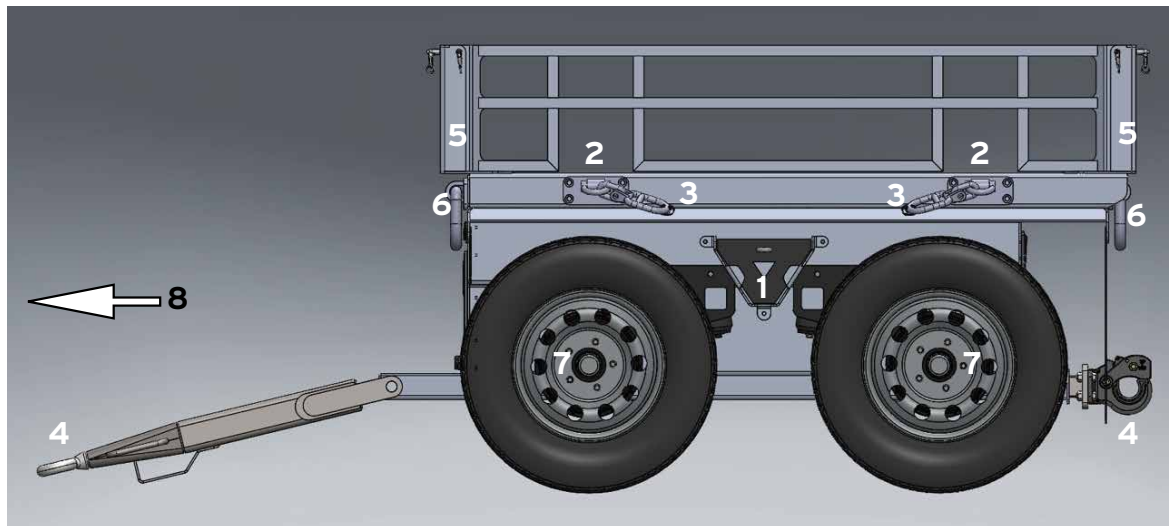
## SPECIFICATIONS

### Standard Features

1. Aluminum Unibody "Formed" construction reduces weight, increases rigidity and eliminates corrosion.
2. Unique axle free design allows "tucking" suspension components above "skid plate reinforced" bottom of trailer.
3. Trailer has (two) 2.5 watt "Smart" solar panels recess mounted on trailers front wall that help keep batteries topped off when trailer is not in-use. Charging is electronically halted when batteries reach full power.
4. Trailer is equipped with a weatherproof "Double USB" momentary switched charging port. (Switch allows four hours of charge and then switches off parasitical draw of "voltage step down resistance")
5. Trailer comes with a weatherproof 12 volt standard "Cigarette Lighter Style" power port on front wall of trailer to charge or power electrical devices.
6. Pintle "eye" on trailer tongue can swivel a full 360 degrees to accommodate harsh dissimilarities between horizon angle of tow vehicle and trailer, eliminating "Twist-out" decoupling incidents.
7. Placement of axles and the design of the trailers unique tongue, give the Trail-Braker an unprecedented tongue weight of 9 LBS regardless of how the trailer is loaded.
8. Trailers come equipped with two LED fixtures for Brake, Turn Signal, Running and Reverse tail-lights. They are recess mounted in an "eye-browed" pocket protecting the lens from breakage from accidental contact.
9. Trailer is equipped with front and rear mud flaps (4 total) to reduce "throw and splatter" from non-solid and wet surfaces.

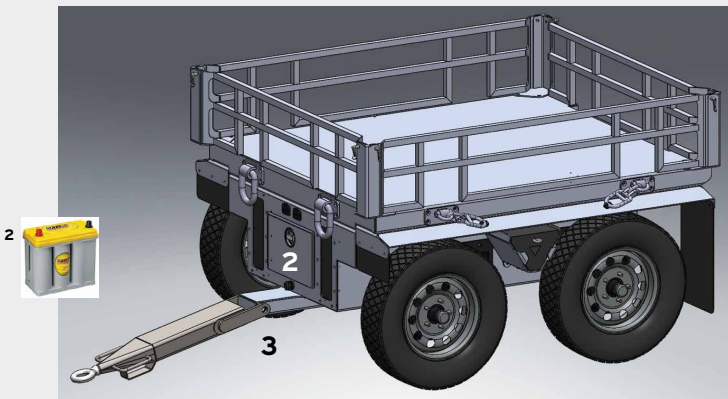
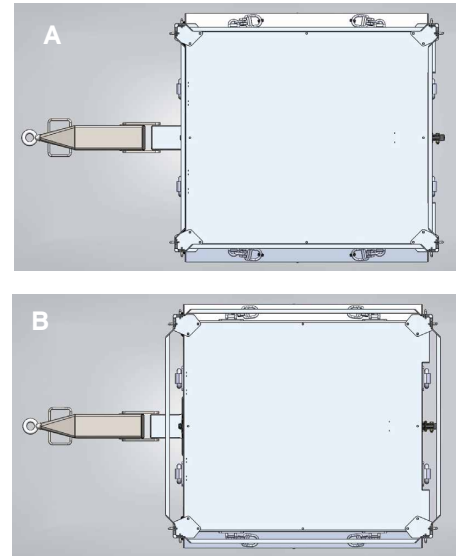


1. Trailer comes with two rubber chocks and is equipped with a left and right chock holder that stores the chocks on their respective sides, easily accessible and very near their placement position.
2. Trailer is equipped with Four 209K approved Cargo Tie-downs that are mounted "off edge" to allow maximum use of trailer deck.
3. Fenders are equipped with "Quiet Ride" provision clamps that secure cargo tie-down provisions when they are not in use.
4. Equipped with front and back pintel hitches allowing "Daisy Chaining" of up to 4 trailers depending on the towing capacity of the pull vehicle.
5. Corner posts (4) can be removed along with stake bed panels (4) to create a completely flat bed. All tiedowns and lift provisions remain available in this configuration.
6. Lift, Sling and Tie-Down provisions meet stringent 209K Standard.
7. Four wheel electric drum brakes give sure footed control in a wide array of on and off road conditions.
8. Trailer controller in tow vehicle is equipped with an inertia sensor that sends an increased brake pressure signal to one, and up to four daisy chained trailers in emergencies regardless of the brake level setting entered by the operator.



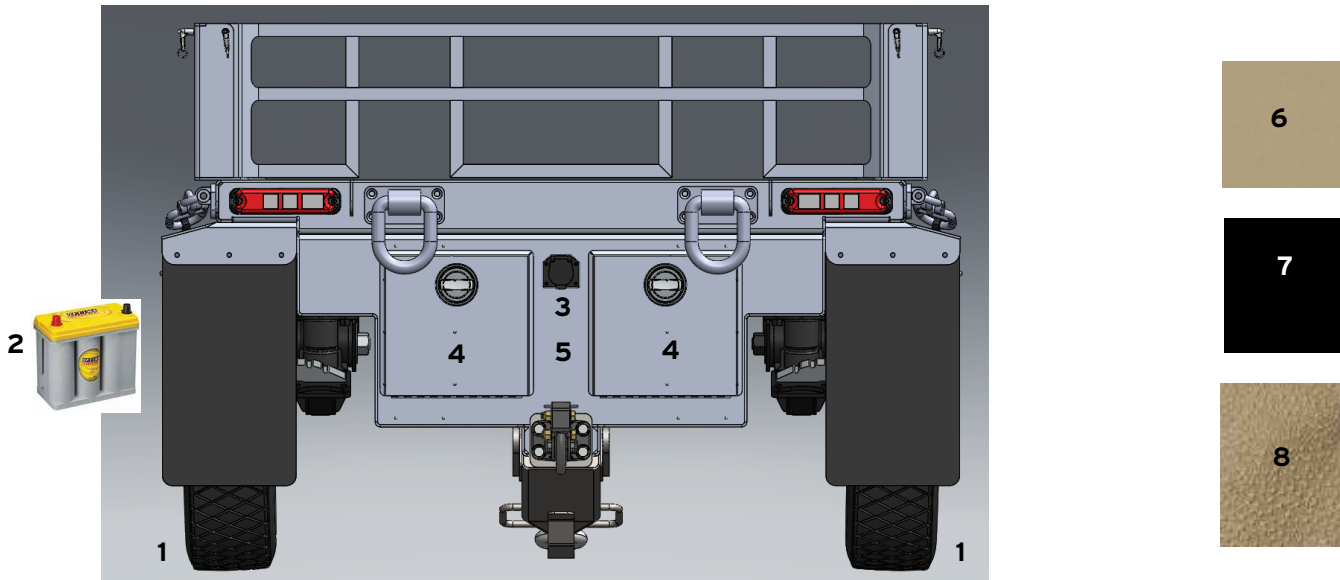
**Unique stake bed design allows “Tool Free” inverted and/or expanded positioning of stake bed sides, front panel and tail-gate, with no sling lift, tie-down or cargo tie-down interference. All panels are equipped pins on lanyard cables to prevent “bounce out” of panels during off-road use.**

(Note: Image A above shows panels in the inverted position and Image B shows the panels in the expanded position.)

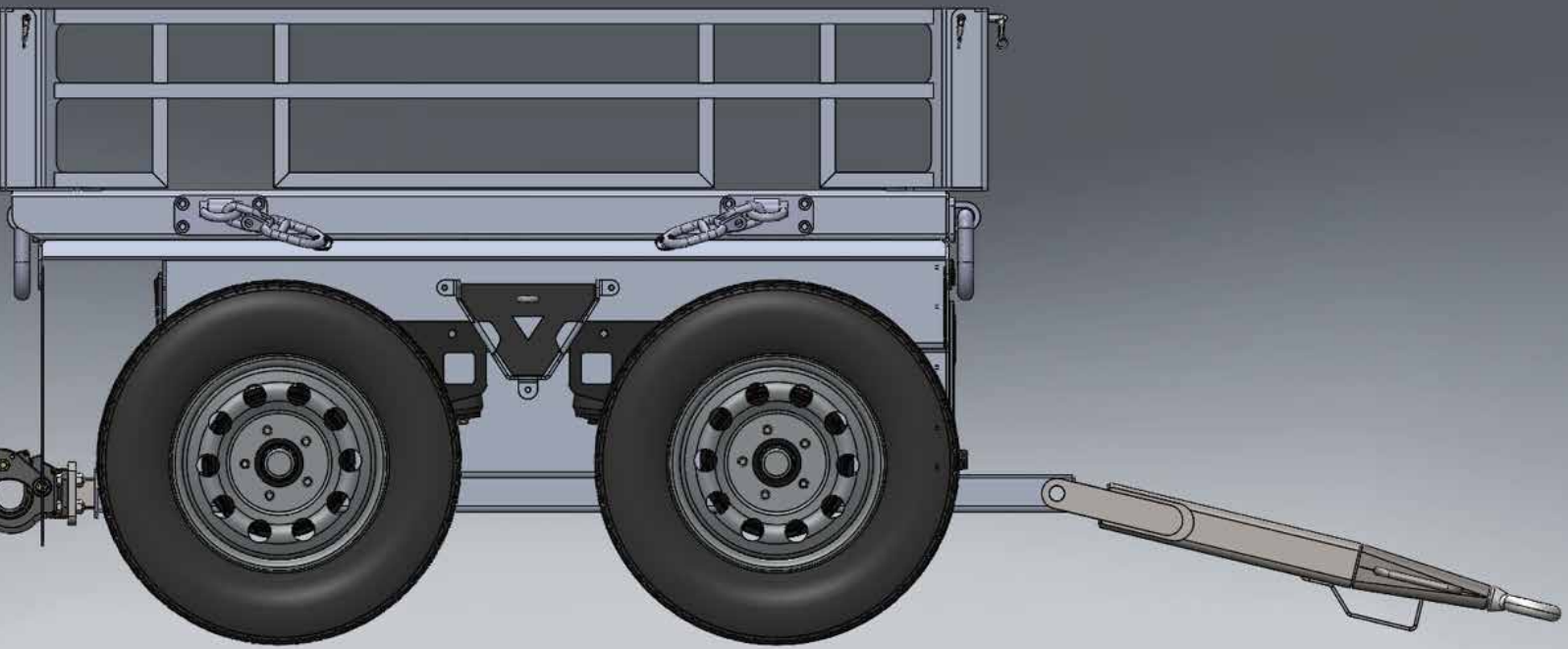


1. Spindles are rated at 3500 LBS each or 7000 lb GVW Spindles are also highway speed rated.
2. Optima AGM Battery and electronic components are housed in a weatherproof storage area in front of trailer.
3. Skid Steer design allows higher payload and increased stability of trailer while simplifying maintenance and increasing lifecycle.





1. Low and Wide stance improves lowers CG and maximizes stability in off-road use.
2. Each trailer has an independent OPTIMA AGM battery to augment the power requirements for frequent braking without drawing voltage from tow vehicle. (i.e. 4 Daisy chained trailers requiring activation of 16 brakes)
3. Perfectly centered umbilical power and light cables connections maintain constant cable length eliminating pull out or damage thru sharp turns.
4. Unique Uni-Body design allows for 12 cubic feet of weatherproof storage below deck. Access to storage area is through 2 rear doors of trailer.
5. Each Trailer is equipped with a weatherproof flipper door Male connection to a standard Female "three prong with ground" extension cord for connection to an onboard, in-line 110v battery charger. (Note: Standard extension cord is not included)
6. Standard Aluminum Trailer comes powder coated in MILSPEC Desert Tan. Custom Colors and CARC coating is available, call for pricing.
7. Trailer is pre-wired for Blackout features and will respond to black-out signal/directive from tow vehicle. Brackets and mounting directions are available upon request.
8. Surface of trailer deck is coated with a non-skid surface to help stabilize and reduce movement of cargo load.



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