

MPS-101-250

Integrated Power Solutions

Mobile Power Station

Integrated Power Solutions compact mobile power station provides up to 350 Watts of Solar power any where needed. Applications include Mining, Construction, Natural Disaster and Security to name a few. The IPS Mobile power station offers a telescoping 28 foot lockable mast that nests into a compact unit for traveling and servicing.



Large Solar Array - the MPS 101-250 comes standard with two 130 watt solar panels for a total system wattage of 260 watts.

Rigid Frame and platform - the MPS 101 is built from 2" x 2" X 1/4" steel tubing the frame is cross braced every 2 feet, and then diagonally braced by the outrigger tubes.

Weather tight battery enclosure - is also lockable and features NMEA style compression fittings into the enclosure. Also provided with an Ethernet bulkhead fitting allowing for ease of power over Ethernet (POE) capabilities.

28 foot telescoping mast - is built from three sections that are bushed using industrial grade polymer, for trouble free smooth operation.

Lockable mast - locks in the nested, vertical, and virtually any position throughout the telescoping cycle.

Custom hardware - mounting solutions available.

Positive brake winches - are used for both nesting and telescoping operations.

Deployment - can easily be performed by one operator.

Branding - colors can be customized to fit virtually any customers specific needs. Standard color is white.



MPS-101-250 Specifications

Frame Structure

Platform.....Structural steel tubing
Cross bracing.....Structural steel tubing
Diagonal bracing.....Structural steel tubing
Axle.....2000 lb
Wheel size.....15"
2.5" Transport D-rings.....Standard
Hitch.....Universal Mount with 2 inch ball standard

Mast Structure

Total height.....28 feet trailer level and wheels on the ground
Construction..... Three section telescopic
Lifting mechanism..... Positive brake winch
Telescoping mechanism.....Positive brake winch
Horizontal lifting capacity.....30lbs mast retracted
Outriggers.....four point diagonal sliding

Power Configuration

Solar cells.....Two 130 Watt panels
Charge controller.....10 Amp with low voltage disconnect
Batteries.....four 105AH Deep cycle AGM
Power supply.....12v 4.2 amp isolated/adjustable DC/DC converter

Weights and Dimensions

Shipping Weight.....1000 lbs
Dimensions Stowed.....(L x W x H) 156" x 69" x 56"
Dimensions deployed.....(L x W x H) 128" x 82" x 336"

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