



NUANCE ENERGY
Revolutionary Solar Racking Structures



OSPREY
POWERJACK

Spec Sheet - OSPREY PowerJack™

Included Parts:

- Osprey PowerJack
- Detachable Handle with Hardware
- Mounting Plate for Load Cell Indicator with Hardware
- 5k rated S-Beam Load Cell (3)AA Batteries Included
- Self locking Carabiner
- Cable and Drive Rod Puller Attachment
- Side Shelf
- Side Carry Handle
- Swivel Shoe Plate
- Locking Pin
- 1/2" Drive Socket
- Weather Proof Case



Recommended PPE and Tools for safe Operation:

- High Torque Impact Wrench with 1/2" Drive
- High Speed/High Heat Grease
- Grease Gun
- Hard Hat
- Gloves
- Eye Protection
- Work Boots.





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Nuance Energy's patented OSPREY PowerJack™ is a multi-purpose construction tool and powerful jack used to pull and measure in real time soil conditions, the uplift "load tension test" capacity of earth anchors. Proprietary earth anchors are the foundations that secure the patented OSPREY PowerRack ground mount solar racking system to the ground during installation. The OSPREY PowerJack may also be used to pull earth anchor drive rods from tough soil conditions before anchor testing is performed.

Recommended Best Practices:

- Use high torque Impact Wrench w/ 1/2" Drive (Figure 3)
- Insert a small piece of rubber into the top socket of the Osprey PowerJack™ to dampen the impact function of the drill.
- Make sure to add about 5-6oz of High speed/ High Heat Grease to the grease fitting at the top of the Jack before during and after testing to ensure threads don't overheat.
- Use pivot action of PowerJack Swivel Shoe Plate to match the angle in which Anchor was driven into ground.
- Once the Anchor pull test is achieved release tension on the Cable by reversing the Impact Drill. You do not want the anchors to remain at tension when locking the wedge grips down.
- Minimum Anchor depth is 30" or below your local frost depth whichever is deeper.
- Knowing the desired pull test amount for multiple anchors ahead of time will help when loose soils come into play.
- Place the PowerJack™ steel shelf under the supporting frame member if you need to level any soil under an Osprey Shoe Plate (Figure 5)
- Use the PowerJack™ Cable and Drive Rod Puller to remove a Drive Rod or Drill bit should they get stuck.
- Calibrate S-Beam annually
- Warranty: One (1) Year Warranty from date of purchase.

