



## Application and Overview

Solar Jack’s patent pending Energy Management System is designed for use with oil field pump jacks. The system provides pump jack operators with a solution that reduces lifting costs through decreased maintenance expenses and lower energy costs. The On-Site Storage model of the system combines solar and regenerative energy, a variable speed drive with “soft start” technology, and on-site power retention that captures and temporarily stores the energy created by the system’s solar array along with the regenerative from the down-stroke of the pump jack.

## Features and Benefits

- Ability to optimize strokes per minute
- Improves power factor - eliminates or reduces penalties
- Reduces maintenances costs by up to 75%
- Increases motor efficiency by approximately 30%
- Offsets energy costs with renewable and regen energy
- Eliminates violent starts and stops of the motor
- Reduction in peak demand
- Average energy savings of 30% to 75%
- Qualifies for applicable tax credits and utility rebates
- Fast installation and small footprint

## Models and Specifications

<b>Model</b>	<b>Size</b>	<b>Solar</b>	<b>VAC</b>	<b>Max I</b>	<b>Available Variations</b>	<b>Available Options</b>
SJ-O-20-8-480-3-RC	<b>20 HP</b>	2 kW	480	27	1.5 thru 3.75 kW Solar Single Phase Service	DBR Back-up POC Connectivity Alternate Drives
SJ-O-25-8-480-3-RC	<b>25 HP</b>	2 kW	480	34		
SJ-O-30-8-480-3-RC	<b>30 HP</b>	2 kW	480	43		
SJ-O-40-8-480-3-RC	<b>40 HP</b>	2 kW	480	50		
SJ-O-50-8-480-3-RC	<b>50 HP</b>	2 kW	480	65		
SJ-O-60-8-480-3-RC	<b>60 HP</b>	2 kW	480	82		
SJ-O-75-8-480-3-RC	<b>75 HP</b>	2 kW	480	97		
SJ-O-100-8-480-3-RC	<b>100 HP</b>	2 kW	480	120		

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