



# Second Hand Solar Drilling Rig Price in South Africa 2024: Cost, Quotation & ROI Guide

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Need affordable water access solutions in South Africa's drought-prone regions? A second hand solar drilling rig could save you 40-60% versus new equipment. But where do you start? Let's break down real prices, hidden costs, and proven ROI.

### Why Second Hand Solar Rigs Beat New Equipment in 2024

South Africa's groundwater drilling demand surged by 28% since 2020 (UN Water Report). With daily diesel costs hitting R25/liter, solar-powered rigs are now essentials - not luxuries. But new solar rigs from China or Germany cost R1.2M-R2.5M. That's why smart buyers go second hand:

R600,000 average price for refurbished solar rigs (2024 AgriTech SA survey)

3-year payback period via fuel savings on 5-day/week drilling

Certified suppliers like SunDrill SA offer 12-month warranties

### Case Study: How a Limpopo Farm Cut Costs

Mokopane Agri bought a used 2021 SolarMaster rig for R720,000. Compared to diesel rigs:

Saved R18,000/month on fuel

Drilled 22 boreholes in 8 months

ROI achieved in 26 months

### 2024 Price List: What You'll Actually Pay

We tracked 37 active listings across Johannesburg and Cape Town:

Entry-level rigs (2-4kW solar): R450,000-R650,000

Mid-range (5-8kW): R680,000-R950,000

Commercial-grade (10kW+): R1.1M-R1.4M

### Hidden Costs to Negotiate

Always ask sellers about:

Battery replacements (R45,000-R80,000)

Drill bit warranties

Transport from Gauteng warehouses



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## How to Get the Best Quotation

Top suppliers like DrillKings Africa and EcoBore offer free inspections. Follow this buying guide:

- Verify solar panel efficiency ( $\geq 18\%$  for 2020+ models)
- Test drilling depth capacity - many used rigs max at 150m
- Check SA Bureau of Standards (SABS) certifications

"We helped 14 clients save R9.2M total last year by pairing used rigs with government renewable energy tax rebates," says Cape Town-based broker Thandi Ngcobo. With load-shedding worsening, solar rig resale values stay strong - perfect for long-term ROI.

## Where to Find Wholesale Deals

China remains the #1 source for parts, but local refurbishers add value. For under R500k, check:

- Mining equipment auctions in Rustenburg
- SA Renewable Energy Expos (July 2024 in Durban)

Ready to escape diesel dependency? Compare 2024 price per kWh rates (solar: R0.38 vs diesel: R2.10). A reliable used solar rig isn't just a purchase - it's a drought-proof investment. Three verified suppliers are offering free cost-benefit analyses this month. Start your quote today.

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