Resource · Worksheet

Crypto Mining ROI Worksheet

Post-halving 2026 model · Bitcoin only

The math behind the calculator

Daily BTC mined = **(your hashrate ÷ network hashrate) × 144 blocks/day × 3.125 BTC subsidy**. Net daily revenue subtracts pool fee and power cost. Break-even = hardware cost ÷ daily net.

Worksheet — fill in your numbers

Input	Your number	Notes
Hashrate per miner (TH/s)		Antminer S21 ≈ 200
Power draw per miner (W)		S21 ≈ 3500 W
Number of miners		
Electricity cost ($/kWh)		Commercial PA ≈ $0.09–$0.13
BTC price ($)		
Network hashrate (EH/s)		2026 ≈ 750–820
Pool fee (%)		Most pools 1–3%
Hardware cost per miner ($)		S21 new ≈ $3000–$4500

Results

Computation	Result
Daily BTC mined (gross)	
Daily revenue (gross)	
Daily electricity cost	
Daily pool fee	
Daily net	
Monthly net	
Break-even (months)	

What we don't model here

- Transaction fees (too volatile to forecast at this resolution).
- Future halvings or sustained difficulty rises (assume both will extend break-even).
- Facility lease, cooling, network gear, monitoring, on-call labor (plan on 10–20% overhead).
- BTC price volatility — try the calculator at –30% and +30% from your base case.

Thinking about a real buildout?

CCRAMM designs and operates small-to-mid-scale Bitcoin mining sites: thermal, power, firmware, monitoring, operational policy. Honest math, no hype. ccrammts.com/crypto.