

Stock vs. Ghost Shell System

Side-by-side hashrate & wall-power efficiency comparison across the Z15 lineup

Up to +29.4% Hashrate • Up to 24.6% Better J/KSol

Z15

420k Model

+14.5%

+60.8 KSOL/S GAINED OVER STOCK

STOCK SPEC

420.0 KSol/s

3.60 J/KSol • 1,510 W

GHOST SHELL OS

480.8 KSol/s

3.40 J/KSol • 900 MHz

Efficiency Improvement

+5.6% Better (3.40 J/KSol)

Z15j

320k Model

+29.4%

+94.0 KSOL/S GAINED OVER STOCK

STOCK SPEC

320.0 KSol/s

4.72 J/KSol • 1,510 W

GHOST SHELL OS

414.0 KSol/s

3.56 J/KSol • Sweet-Spot

Efficiency Improvement

+24.6% Better (3.56 J/KSol)

Z15e

200k Model

+28.2%

+56.4 KSOL/S GAINED OVER STOCK

STOCK SPEC

200.0 KSol/s

7.55 J/KSol • 1,510 W

GHOST SHELL OS

256.4 KSol/s

6.73 J/KSol • 885 MHz

Efficiency Improvement

+10.9% Better (6.73 J/KSol)

MINER MODEL	STOCK HASHRATE	GHOST SHELL OS	NET KSOL/S ADDED	% HASHRATE GAIN	STOCK EFFICIENCY	GHOST SHELL EFFICIENCY	EFFICIENCY GAIN
Z15 (420k)	420.0 KSol/s	480.8 KSol/s	+60.8 KSol/s	+14.5%	3.60 J/KSol	3.40 J/KSol	+5.6% Better
Z15j (320k)	320.0 KSol/s	414.0 KSol/s	+94.0 KSol/s	+29.4%	4.72 J/KSol	3.56 J/KSol	+24.6% Better
Z15e (200k)	200.0 KSol/s	256.4 KSol/s	+56.4 KSol/s	+28.2%	7.55 J/KSol	6.73 J/KSol	+10.9% Better