ELPHAPEX

DG Hydro 1
20 GH/s

Hydro-cooled Scrypt server · 19-inch rack



COIN · ALGORITHM
Litecoin · Dogecoin · Scrypt

COOLING
Hydro (liquid loop)

POWER
3-phase 380–415 V (OneMiners)

RELEASED
Mar 2025

Product Manual

Setup, operation, maintenance and OneMiners hosting guide

Version 1.0
First edition, November 2026
Information checked 7 Nov 2026

Contains manufacturer documentation © ElphaPex, summarised for customer reference.

About this manual

This manual covers the **ElphaPex DG Hydro 1**, rated at **20 GH/s** and **6,200 W**.

Each section that reproduces or summarises manufacturer content is marked with a **Source** tag. Values that sources disagree on, or that no source confirms, are marked **Needs verification** and listed in section 1.4. Chapters 8 to 12 cover the OneMiners platform, hosting, warranty and wallet, and are marked **OneMiners**.

Before you start

CHECK	POWER	COOLING	NETWORK
Label says DG Hydro 1	**3-phase 380–415 V (OneMiners)**	**Inlet: see 1.4**	**RJ45 + DHCP**
Check the hashrate bin.	See 2.2.	Loop ready before power-on.	A PC on the same network.

How notices are used

DANGER
Risk of electric shock, fire, burst pipes or injury. Do not continue until the condition is met.

CAUTION
Risk of damage to the miner, lost earnings or loss of data. Read before acting.

NOTE
Useful background, limits of a specification, or where to check further.

ONEMINERS
Applies to miners hosted in a OneMiners data center.

Copyright and disclaimer

© OneMiners, 2026. This manual combines documentation published by the manufacturer, ElphaPex, and other cited sources with supplementary material written by OneMiners (platform, hosting, warranty and wallet chapters). Manufacturer content remains the property of its owner and is reproduced or summarised here for the convenience of OneMiners customers. OneMiners claims no ownership of it. All product names and trademarks belong to their respective owners.

Specifications are typical values and may change without notice. Always confirm against the label on your unit and the latest manufacturer documentation. Information about profitability, hosting prices and platform features is for guidance only and is not financial advice. OneMiners' supplementary chapters may not be copied or redistributed without written permission.

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CHAPTER 01

Product Overview

The ElphaPex DG Hydro 1 is a hydro-cooled Scrypt server cooled by a liquid loop.



Figure 1-1 ElphaPex DG Hydro 1 20 GH/s. Image: OneMiners product photo.

1.1 Key figures

20 GH/s	6,200 W	310 J/GH
Typical hashrate	Power on wall	Efficiency

1.2 Specifications

ITEM	VALUE
PRODUCT	
Model / version	**ElphaPex DG Hydro 1**
Algorithm / coins	**Scrypt · LTC / DOGE (merged mining)**
Hashrate	**20 GH/s**
Power on wall	**6,200 W**
Efficiency	**310 J/GH**
POWER	
Supply	**Three-phase AC, 380–415 V (OneMiners listing; Needs verification)**
Typical load	**6,200 W ±10%**
Current	**About 9.4 A per phase at 380 V (calculated)**
Connector	**Industrial 3-phase connector (OneMiners)**

ITEM	VALUE
HARDWARE	
Network	**RJ45 Ethernet 10/100M**
Size (L×W×H)	**656 × 447 × 86 mm (OneMiners) · 760 × 590 × 245 mm packed (Kryptex)**
Weight	**18.3 kg (OneMiners) · 25 kg packed (Kryptex)**
Noise	**Fanless server (pump and cooler noise not included)**
COOLING AND ENVIRONMENT	
Inlet coolant	**Needs verification: not published**
Flow	**Needs verification: not published**
Pressure	**Needs verification: not published**
Coolant	**Treated water or water-glycol per your loop design**

SOURCE Kryptex Elphapex guide; OneMiners product page.

1.3 Hardware

Cooling	No fans; liquid through internal cold plates; inlet and outlet connectors.
Network	Ethernet.

SOURCE Kryptex Elphapex guide; OneMiners product page.

1.4 Values that need verification

These values conflict between sources or aren't confirmed by the manufacturer. Check the label on your unit, and ask OneMiners support before planning power or cooling around them.

ITEM	WHAT THE SOURCES SAY	USED IN THIS MANUAL
Coolant limits	Inlet temperature, flow and pressure not published	Ask OneMiners before installing
Input voltage	Only the OneMiners listing (380–415 V, 3-phase)	Check the nameplate
Hashrate	Library image is labelled 18.7 GH/s; listing 20 GH/s	Check the label

02 CHAPTER Safety and Installation Requirements

The DG Hydro 1 needs a three-phase supply and an engineered liquid-cooling loop that can reject about 6.2 kW. Installation must be done by qualified personnel.

2.1 Safety warnings

DANGER · ELECTRICAL

- The DG Hydro 1 runs on **3-phase 380–415 V (OneMiners)**. Connection must be made by a licensed electrician, with earthing, surge protection and a disconnect that breaks all phases.
- Never connect or disconnect power while the supply is live.

CAUTION · COOLING LOOP

- Run coolant through the server before powering on, and never run it dry.
- Use corrosion-inhibited, filtered coolant and follow your cooling-system maker's rules on materials.
- Keep the inlet above the room's dew point to avoid condensation.

2.2 Electrical requirements

Supply	**Three-phase AC, 380–415 V (OneMiners listing; Needs verification)**

Typical load	**6,200 W ±10%**
Current	**About 9.4 A per phase at 380 V (calculated)**
Connector	**Industrial 3-phase connector (OneMiners)**
Protection	**Earthing, surge protection, disconnect breaking all phases**

2.3 Coolant requirements

Inlet coolant	**Needs verification: not published**
Flow	**Needs verification: not published**
Pressure	**Needs verification: not published**
Coolant	**Treated water or water-glycol per your loop design**

SOURCE ElphaPex hasn't published DG Hydro 1 coolant limits in the sources we found.

2.4 Rack installation and start-up

1. **Mount**
   Two people slide the DG Hydro 1 into a 19-inch rack and secure it.
2. **Water**
   Connect the inlet and outlet to the manifold as marked on the unit.
3. **Circulate**
   Start circulation, bleed air from the loop and check for leaks.
4. **Power on**
   Switch on the supply and watch inlet and outlet temperatures as the load rises.

ELPHAPEX DOCUMENTATION
Where the maker doesn't publish a value it is marked Needs verification. Follow your cooling system's design values and ask OneMiners before installing.

03 CHAPTER Initial Setup

These steps take an installed DG Hydro 1 to its web interface. If your miner is hosted by OneMiners, our team does this for you; skip to Chapter 8.

3.1 Unboxing and connecting

- Check the carton for damage and confirm the label shows **ElphaPex DG Hydro 1**. Keep the packing for transport and warranty returns.

1. **Network**
   Connect an Ethernet cable; the miner uses DHCP.
2. **Power**
   Connect the power cord(s) and switch on.

3.2 Finding the miner's IP address

1. On a Windows PC on the same network, open **ElphaPexTool**.
2. Click 【+】 to add your network segment, then **Scan**.
3. Double-click the miner in the list to open its web page.

3.3 Logging in

1. Log in with `root` / `root` and change the password.
2. Static IP (optional): in the **IP** section enter address, mask, gateway and DNS, then **SAVE**.

SOURCE ElphaPex DG1+ and DG Home 1 user manuals (Manuals+): ElphaPexTool, login, Miner section, Update, RESTORE; Kryptex Elphapex guide.

04 CHAPTER Mining Configuration

The DG Hydro 1 mines on the Scrypt algorithm. Enter a pool for that coin.

4.1 Setting up pools

1. Open the **Miner** section.
2. Set **Mining Address**, **User Name** and **User Password** for up to three pools (pool 1 has the highest priority).
3. Click **SAVE**. Check the **Dashboard**.

FANS
Don't set fan speed by hand; the server controls it. Mining stops if the outlet reaches 85 °C.

FIELD	WHAT TO ENTER
Pool / mining address	The pool's stratum address, in the format `stratum+tcp://host:port`. Copy it from your pool's "Connect" or "Getting started" page.
Worker / user	Your pool account or wallet address plus a worker name, usually `account.worker`, for example `myaccount.dghydro101`.
Password	Optional. Most pools accept any value, such as `x`.

COIN AND POOL
The miner mines Scrypt coins. Most Scrypt pools pay Litecoin (LTC) and Dogecoin (DOGE) together through merged mining; check how your pool pays out and which wallet addresses it needs.

CAUTION
Use only pool addresses from the pool's official website, and always add at least one backup pool. A mistyped address mines for nobody.

ONEMINERS
Hosted miners are configured from the OneMiners platform rather than the miner's own dashboard. To change pools, use **Pool Settings** in your account (see 8.2).

SOURCE ElphaPex DG1+ and DG Home 1 user manuals (Manuals+): ElphaPexTool, login, Miner section, Update, RESTORE; Kryptex Elphapex guide.

05 CHAPTER Monitoring Performance

For a hydro miner, the coolant temperatures matter as much as the hashrate.

5.1 What normal looks like

19–21 GH/s	Hydro	< 1 %
Average hashrate (±5%)	Liquid-cooled	Pool rejection rate

Values from the manufacturer's rated figures; expect small variation between units.

5.2 What to watch

VALUE	MEANING
Average hashrate	The most reliable measure of performance.
Board temperatures	Should stay stable. Rising values point to flow, inlet temperature or air in the loop.
Coolant inlet	Keep within Inlet: see 1.4.
Pool status	Active pool, accepted and rejected shares. Rejection below 1% is normal.

CHAPTER 06

Firmware and Maintenance

Keep the firmware current and the coolant clean and within limits.

6.1 Firmware

> **USE THE RIGHT FILE**
> Install only firmware ElphaPex publishes for the **ElphaPex DG Hydro 1**, from elphapex.com or the OneMiners Manuals & Firmware Library. Keep the miner powered during the upgrade.

1. Open **Update**, choose the `.img` or `.zip` file and click **UPDATE**.
2. Keep the server powered; it restarts and returns to the Dashboard.

6.2 Password and reset

- The firmware version is shown at the bottom of the web page (**firmwareVersion**).
- Factory reset: click **RESTORE**. Pool settings are cleared and the original password is restored.

SOURCE ElphaPex DG1+ and DG Home 1 user manuals (Manuals+): ElphaPexTool, login, Miner section, Update, RESTORE; Kryptex Elphapex guide.

6.3 Preventive maintenance

WHEN	TASK
Daily	Inlet and outlet temperatures, flow, pressure, hashrate.
Monthly	Check connectors for drips; check filters.
Every 3–6 months	Test coolant pH, conductivity and inhibitor level; clean filters.
Yearly	Full coolant analysis; flush and refill if needed.

Intervals are OneMiners recommendations; follow the cooling system or fluid supplier where it is stricter.

CHAPTER 07

Troubleshooting

Start with the symptom table. Hosted customers: contact OneMiners service rather than attempting repairs.

SYMPTOM	CHECK
No power	Check the supply is 3-phase 380–415 V (OneMiners) and the breaker is on. Check the power cord and PSU connections.
IP not found	Check the cable and DHCP, then repeat the IP search in 3.2.
Pool won't connect	Re-check the pool address, port and worker name, gateway and DNS. Save, then restart if the interface asks.
Low hashrate or overheating	Check inlet temperature, flow and pressure. Purge air and clean filters.
Leak or condensation	Power off first. Don't restart until the miner is dry and the leak is fixed.
Smell, unusual sound or smoke	Switch off immediately and contact service.

SOURCE Based on ElphaPex documentation cited in Chapters 2–6.

ONEMINERS

For a hosted miner, send the symptom and your miner's service ID to **service@oneminers.com** or WhatsApp **+1 305 867 6143**. Repairs under warranty are handled on site by our repair team.

CHAPTER 08

OneMiners Platform Guide

Miners hosted by OneMiners are monitored and managed from your account at app.oneminers.com or the OneMiners mobile app. Screens in this chapter are from OneMiners platform v1.2 and show example values from other miners, not an DG Hydro 1.

8.1 Miner details

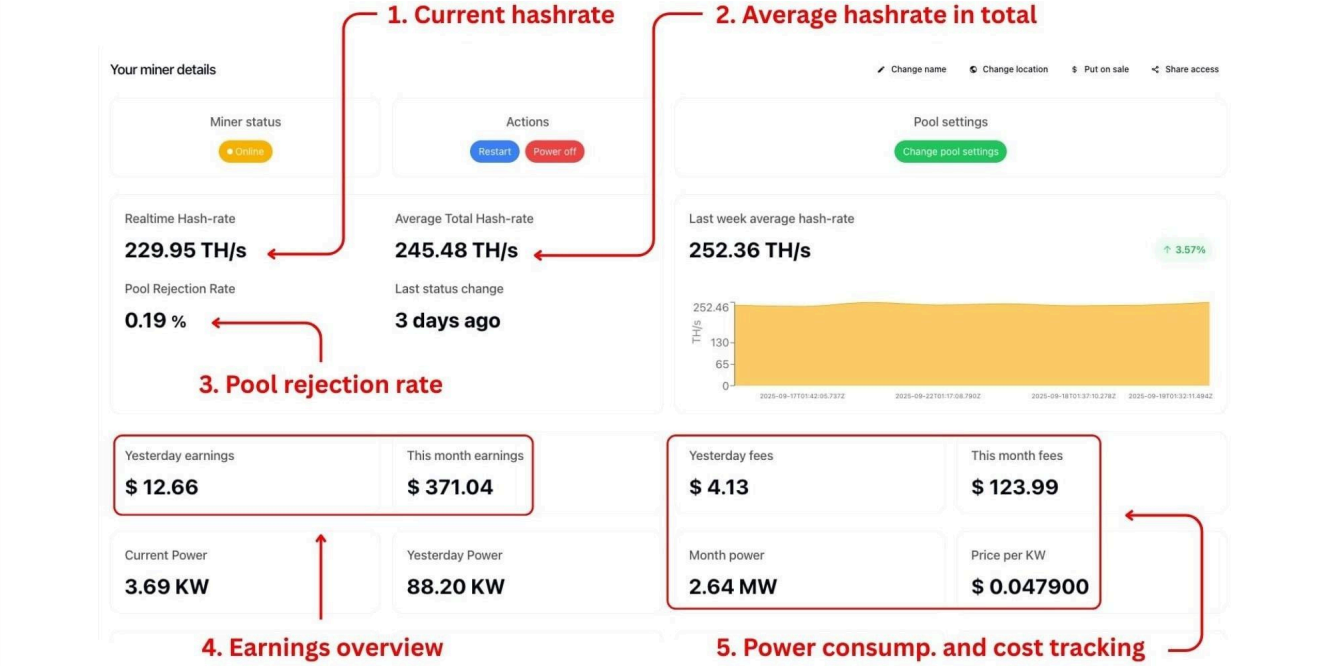


Figure 8-1 Miner details on OneMiners platform v1.2 (example values).

1 · Current hashrate	Real-time hashrate (for the DG Hydro 1, in GH/s). It moves with network stability, hardware and pool communication.
2 · Average hashrate	Average over a longer period (typically 24 h). The most reliable measure of performance; for the DG Hydro 1, expect about 19.4–20.6 GH/s.
3 · Pool rejection rate	Share of submitted shares the pool rejected. Below 1% is healthy.
4 · Earnings overview	Estimated earnings for the selected period, based on accepted shares.
5 · Power and cost	Real-time and historical energy use (kW) and its cost at your configured price per kWh.

8.2 Pool settings

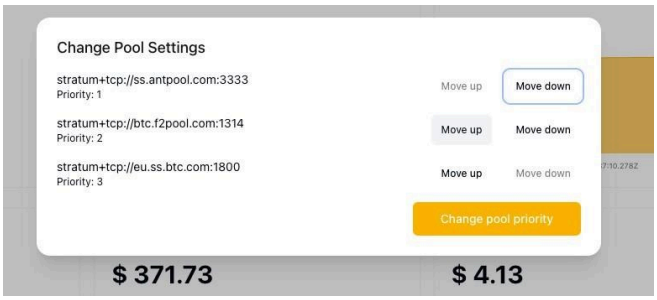


Figure 8-2 Change Pool Settings.

- Up to three pools can be connected.
- Pools are listed in priority order. If the first is unavailable, the miner switches to the second, then the third.
- Use **Move up** / **Move down** to set the order, then **Change pool priority** to apply it.

8.3 Earnings and fees



Figure 8-3 Earnings, fees, power and price per kWh (example values).

- **Earnings:** daily, monthly and cumulative mining rewards in USD or your selected currency.
- **Fees:** pool and platform fees deducted from earnings, shown daily and monthly.
- **Net result:** earnings minus fees, which is your net mining income.

8.4 Hardware status

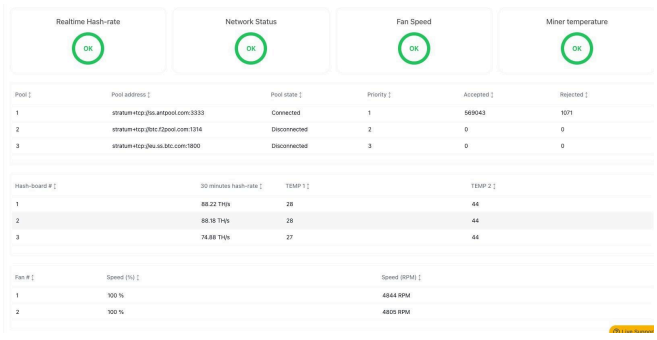


Figure 8-4 Hardware status (example from an air-cooled miner).

- **Network status:** whether the miner is connected to its pools. Address disconnections immediately.
- **Miner temperature** and **hashboard table:** per-board hashrate and temperatures. Useful for spotting an underperforming board early.

> **HYDRO UNITS**
> The DG Hydro 1 is liquid-cooled. Fan readings, if any are shown, don't describe its cooling. Watch board and coolant temperatures and the cooling alerts instead.

ONEMINERS OneMiners platform v1.2. Confirm layout against the current version of your account.

CHAPTER 09

OneMiners Hosting and Warranty

OneMiners hosts customer-owned miners in its data centers, providing power, cooling, racking and monitoring. Terms below reflect OneMiners' published pages as checked on 7 November 2026.

9.1 Hosting

- Hosting is offered across 17 data centers worldwide, **from 3.6¢ per kWh** at the time of writing.
- Locations include Nigeria, Ethiopia, Dubai, the USA (Texas, Houston, Georgia, South Carolina, Kansas and a no-service-fee option), Finland, Norway, Canada, Brazil, Czechia, China and Paraguay.
- Hosted orders are deployed turnkey; OneMiners racks, connects and monitors the miner.
- Hydro-cooled units need sites with a liquid-cooling loop. Ask sales which locations currently accept the DG Hydro 1.

Current prices and locations: oneminers.com/pages/hosting-centers.

9.2 Warranty

HOSTED WITH ONEMINERS

7-year full warranty for miners hosted in the USA, Dubai, Norway, Finland, Ethiopia, Nigeria and China.

- Free on-site repairs
- No-cost replacement of power supplies and cables
- No labour or diagnostic fees

SHIPPED TO YOU

Standard 12-month warranty, unless the manufacturer specifies otherwise.

- Free repair of manufacturing defects
- Replacement of defective units when necessary
- Valid only when the miner is operated according to official instructions

All customers during warranty

Remote diagnostics, real-time monitoring, 24/7 technical support, and firmware upgrades and maintenance.

Exclusions

The warranty may be voided by damage from misuse, unauthorised modifications or non-compliant operation. For the DG Hydro 1, this includes damage from incorrect voltage, coolant outside the loop design, condensation, loose connectors, unofficial firmware, or opening the unit.

Out of warranty

Repairs typically cost **US$80–220**, depending on the fault and parts required.

Making a claim

Contact OneMiners support with your miner's hosting details and service ID through oneminers.com/pages/contact or **service@oneminers.com**.

ONEMINERS OneMiners Warranty Policy, oneminers.com/pages/warranty-policy . The policy page prevails if it differs from this summary.

CHAPTER 10

Wallet and Mining Rewards

Rewards from a hosted miner are credited to your OneMiners wallet, where you can withdraw them or exchange between currencies.

10.1 Automatic mining balance

- The miner starts generating rewards as soon as it is installed and activated.
- If no energy payment has been preloaded, mining continues and energy costs and fees are deducted automatically from the rewards.
- If funds are preloaded in advance, earnings are credited without automatic deductions.
- You can change your payout wallet address in the wallet settings.

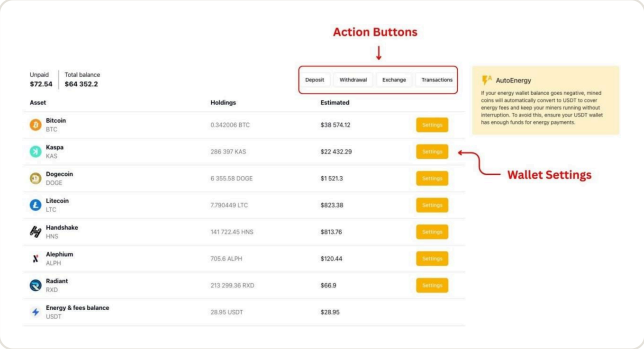


Figure 10-1 Wallet section.

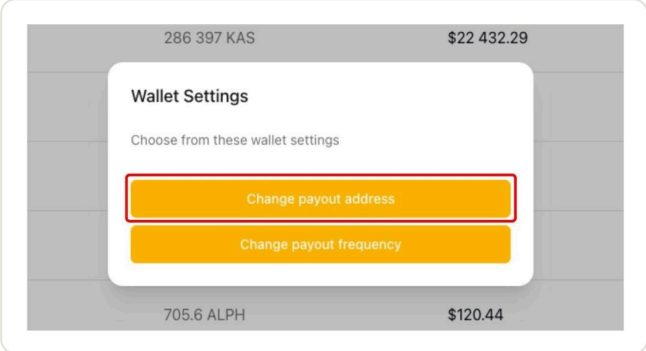


Figure 10-2 Changing the payout address.

10.2 Withdrawals

1. Go to **Wallet** › **Withdrawal**.
2. Add a crypto wallet address or a bank account.
3. Select the currency, enter the amount and confirm.

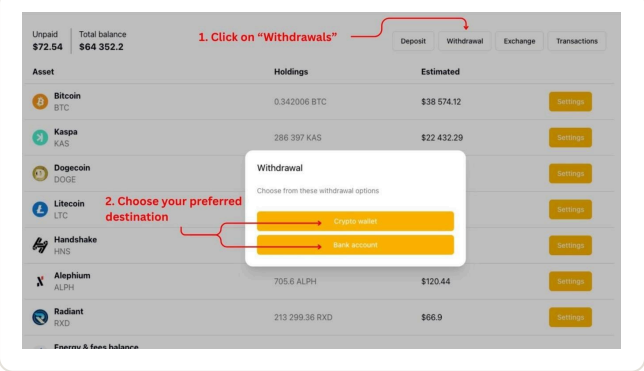


Figure 10-3 Choosing a withdrawal destination.

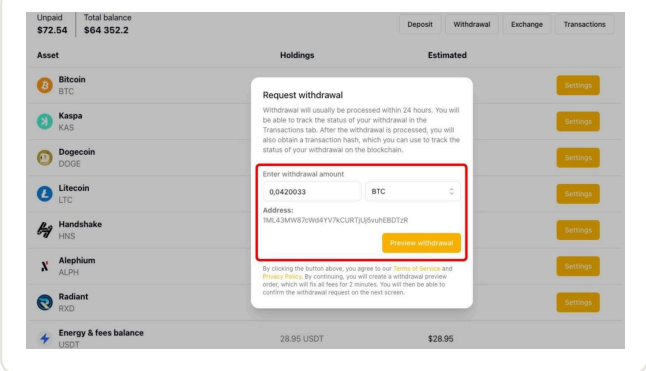


Figure 10-4 Choosing currency and amount.

10.3 Exchange

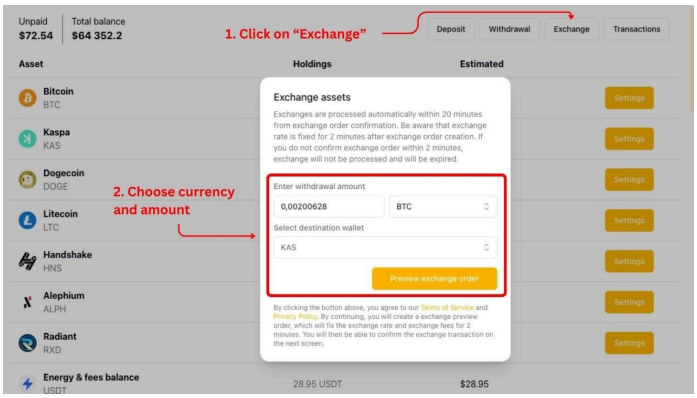


Figure 10-5 Exchanging currencies.

1. Go to **Wallet** › **Exchange**.
2. Select the currencies to exchange. You can also convert directly into **Energy & Fees** funds to keep the miner running.
3. Enter the amount and confirm.

> **BEFORE YOU WITHDRAW**
> Double-check addresses and networks. Crypto transfers to a wrong address usually can't be reversed. Keep enough Energy & Fees balance to avoid deductions from your rewards.

ONEMINERS OneMiners platform v1.2.

CHAPTER 11

Additional OneMiners Features

Optional tools in your OneMiners account. Availability and settings can change; check your dashboard for what is active on your account.

11.1 AI Smart Mining

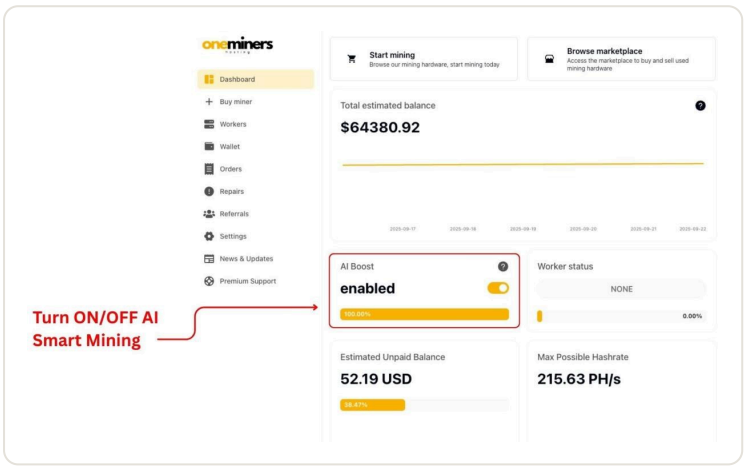


Figure 11-1 AI Boost toggle on the dashboard (platform v1.2).

AI Smart Mining analyses market conditions and pool performance and can switch your miner to the pools it calculates are most profitable.

- Turn it on or off with the **AI Boost** toggle on your dashboard.
- Your hardware keeps mining to your own account and wallet.

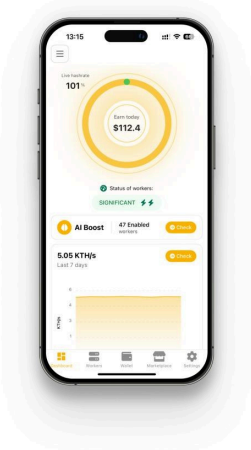
Results depend on hardware and market conditions and aren't guaranteed. More information: oneminers.com/pages/ai-smart-mining.

11.2 OneMiners mobile app

Monitor and manage your miners from your phone: start and stop miners, view hashrate, power use and hardware status, and manage balances and withdrawals. The app is built on the CircleHash white-label hosting platform and is free.

App Store

Google Play



11.3 Profitability tools

Mining income from the DG Hydro 1 depends on the LTC and DOGE prices, network difficulty and your electricity cost, all of which change daily. For current estimates, use the live tools rather than figures printed in a manual:

- Miner profitability table: oneminers.com/pages/miner-profitability

For the DG Hydro 1, use 20 GH/s and 6,200 W with your own price per kWh. Estimates aren't financial advice.

12 CHAPTER Official Resources and Support

12.1 Resources

ELPHAPEX
Official site
www.elphapex.com

ONEMINERS
Manuals & Firmware Library
oneminers.com/pages/manuals-and-firmware

ONEMINERS
Product page
oneminers.com/products/elphapex-dg-hydro-1-20-gh-s

ONEMINERS
Warranty policy
oneminers.com/pages/warranty-policy

ONEMINERS
Hosting locations
oneminers.com/pages/hosting-centers

12.2 Contact OneMiners

SUPPORT, 24/7

+1 305 867 6143

WhatsApp

+1 607 9009 004 · Sales, USA

service@oneminers.com · Service and repairs
sales@oneminers.com · Sales
payinquire@oneminers.com · Payments

Telegram: t.me/oneminers_hosting

ADDRESS

CIRCLEHASH LLC
701 Tillery Street
Austin, Texas 78702, USA

Contact page

Manuals library

12.3 Sources used for this version

1. Kryptex, Elphapex DG1/DG1+/DG Hydro 1/DG Home 1 guide: hashrate, power, size, weight.
2. OneMiners product page, Elphapex DG Hydro 1 20 GH/s.
3. ElphaPex DG1+ and DG Home 1 user manuals (Manuals+): ElphaPexTool, login, Miner section, Update, RESTORE; Kryptex Elphapex guide.
4. OneMiners: product page, Warranty Policy, hosting pages, AI Smart Mining page, Media Kit, site contact details. All checked 7 November 2026.

12.4 Revision history

VERSION	DATE	CHANGES
V1.0	Nov 2026	First edition on the OneMiners media-kit template: manufacturer specifications with conflicts listed in 1.4, safety, installation, setup, pools, monitoring, firmware, maintenance and troubleshooting. Current warranty, hosting and contact details.