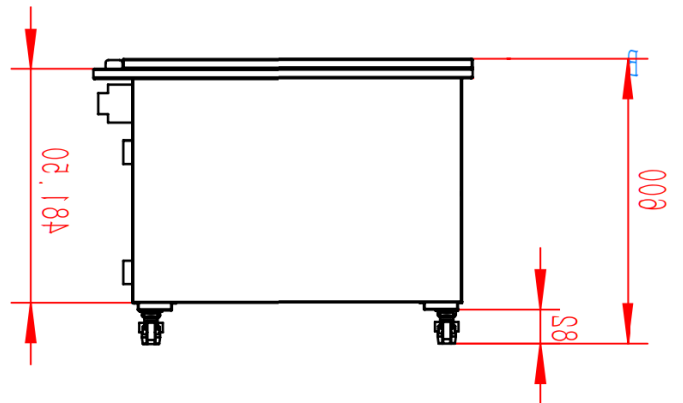
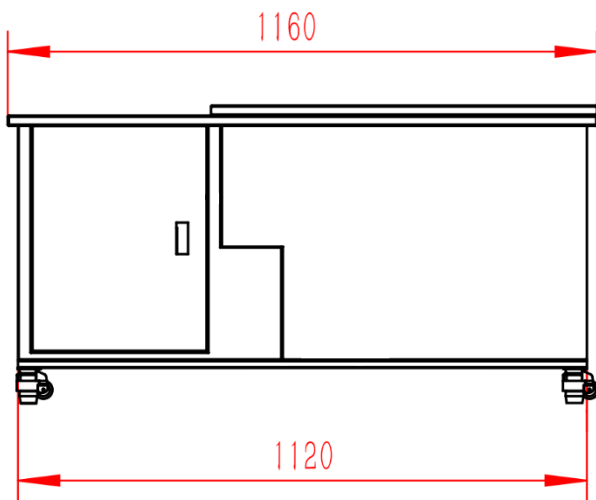
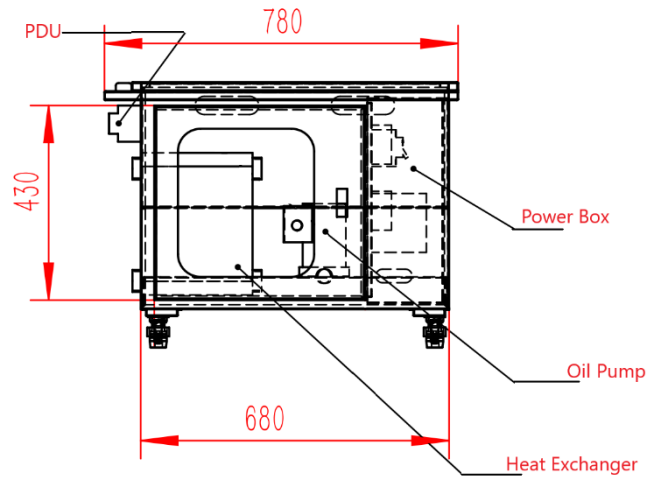
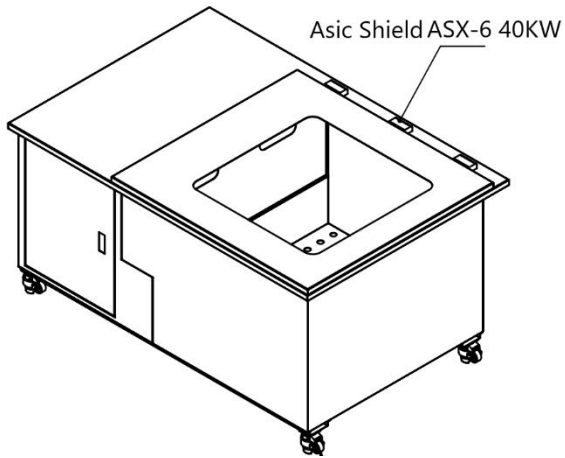
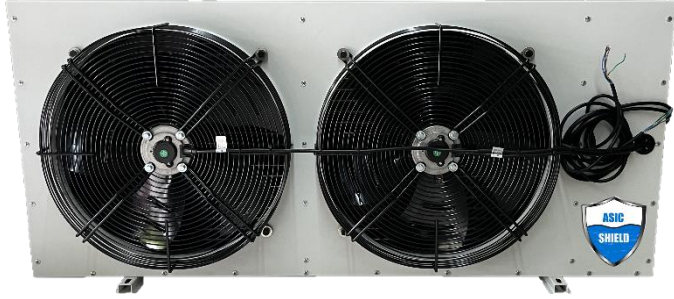




ASX-Immersion Cooling Containers





ASIC SHIELD IMMERSION COOLING SYSTEM

Introduction

We have 3 Model currently available

| | ASX6 | ASX8 | ASX12 |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Dimension (CM) | 116 L X78 W X 58 H | 136 L X78 W X 58 H | 176 L X78 W X 58 H |
| Internal Dimension: | 60 L X66 W X 55 H | 80 L X66 W X 55 H | 120 L X66 W X 55 H |
| Capacity | X6 Asic Miner | 8 Asic Miners | 12 Asic Miners |
| Power Load | 130 A | 160 A | 220 A |
| Input voltage | 220 V-240V Or 380V~415V AC 50/60HZ | 220 V-240V Or 380V~415V AC 50/60HZ | 220 V-240V Or 380V~415V AC 50/60HZ |
| Required fluid (L) | 180 | 210 | 360 |
| Cooling System | 40KW Dry cooler | 40KW Dry cooler | 45 KW Dry cooler |
| Water Pump | 0.75KW | 0.75KW | 1.25 KW |
| Oil Pump | 380 W (145L/M) | 550 W (160L/M) | 650 W (185L/M) |

For GPU and custom sizes inquiries, get in touch with by filling the contact form on our website



ASIC SHIELD IMMERSION COOLING SYSTEM

With quality coolant, heat exchanging becomes more efficient and safer. With a brazed plate heat exchanger, the whole system runs more efficiently and reliably. With all component selected from the best brands at their respective field Oil pump, breaker, water pump, temperature sensor and all the other electric component chances or failure is reduced to ensure the longevity of the system itself as well as the ASIC miners within the container, the whole system made user friendly and easy to operate and monitor.

The system is heavily tested for proper operation, cooling, leak, overheat safety mechanism and power level

Pros of using an immersion cooling setup for Crypto Mining

Noise Free

With miners completely immersed in cooling liquid, noise is extremely low. It greatly decreases noise when comparing with the traditional air cooling.

Overclocking capabilities

Liquid cooling offer up to 40% overclocking and hash rate boost for some ASIC miners.

Easy installation

The system was designed to offer the easiest and most friendly way of switching from traditional air cooling to liquid cooling.



ASIC SHIELD IMMERSION COOLING SYSTEM

configuration and components

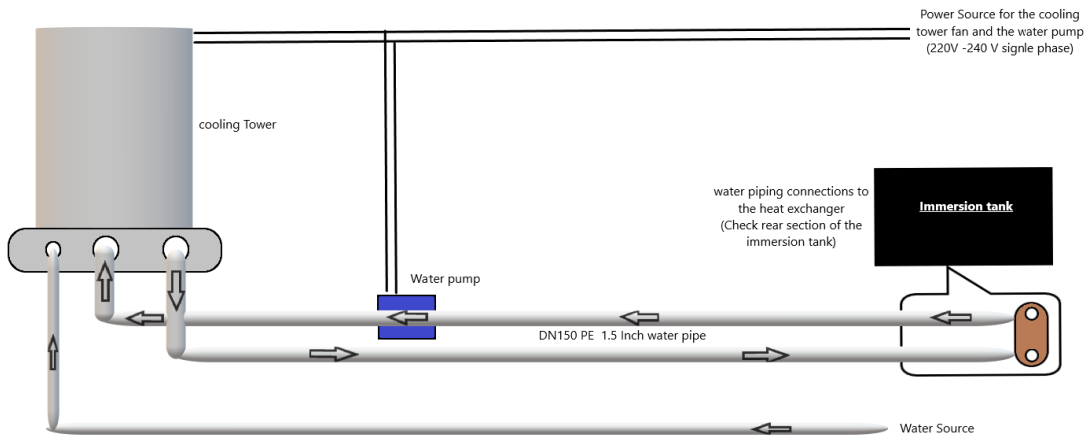
| Item | Name | quantity |
|--------------------------------|----------------------|----------|
| Immersion frame | Square steel frames | 2 |
| | Liquid cooling box | 1 |
| | Acrylic | 1 |
| | Oil pool frame | 1 |
| | Auxiliary materials | 1 |
| | Coating | 1 |
| | Box cover | 1 |
| | Electrical door | 1 |
| Electric control system | Oil Filter | 1 |
| | PDU socket | 6/8/12 |
| | Thermal relay | 1 |
| | AC contactor | 1 |
| | Circuit Breaker | 2 |
| | Thermal relay | 1 |
| | Phase sequence relay | 1 |
| | Power Cords | 6/8/12 |
| | PLC | 1 |
| | Temperature display | 1 |

| | | |
|-----------------------|---|----------|
| Cooling system | heat exchanger | 1 |
| | Circulating pump | 1 |
| Network system | Cable | 6/8/12 |
| | Switch | 1x8/1X16 |
| | Fan spoofers | 24/32/48 |
| Remark | Configuration can be adjusted according to customer needs | |



Operation principle:

Cooling system Diagram



Installation Precautions

1. Draw lines according to the layout, confirm the position of the single machine and adjust it to the appropriate position.
2. Connect the circuit in line with relevant specifications.
3. Connect the waterway to the main pipeline and ensure no water leakage.
4. Place the server and connect to cable and power supply, then confirm the connection status.
5. When connecting the server to power supply, pay attention to the balance of three-phase voltage to prevent server failure
6. Drain the cooling oil and confirm that there is no oil leakage or overflow.
7. Connect the whole machine and start debugging after installation



Common Faults and Troubleshooting

| Faults | Possible reasons | Methods |
|----------------------------------|---|---|
| 1. Pump doesn't work | a、 The inlet and outlet valves are not opened or their pipelines are blocked, or the runner impeller is blocked. b、 The motor runs in the wrong direction, and the motor speed is slow for lack of phase | a、 Remove the blockage and open the corresponding valve. b、 Adjust and fasten the motor wiring. Check the wiring of the whole machine. |
| 2. Pump with noise and vibration | a、 Piping support b、 Scratch c、 unstable voltage | a、 Secure the piping b、 Check to eliminate C、 Check and regulate the voltage |
| 3. Leakage of water and oil | a、 Water leakage b、 Oil leakage | a、 Check the joint, tighten the weld bead or repair welding. b、 Check the joint, tighten the weld bead or repair welding. |

Maintenance

1. The power supply should be cut off before maintenance, and there is a special person to watch the switch, in case of accidents.
2. The machine should be shut down for inspection and maintenance once a year.
3. Motor maintenance.
4. The packing in the tower should be cleaned according to the scaling situation, otherwise the cooling effect will be affected.
5. The steel structure bracket in the tower is painted with anti-rust paint depending on the corrosion condition, which can prolong the service life.
6. The Dry cooler that has not been used for a long time should be covered to prevent the entry of dirt and the aging of the packing in the Dry cooler.