



Green Crypto Mining Solution



WHAT IS THE “GREEN CRYPTO MINING SOLUTION”?

The Green Crypto Mining Solution is a plug-and-play mobile mining system that enables you to mine cryptocurrencies...anytime...anywhere.

The system fully integrates power, rack, cabling, lighting, control, monitoring & management, and includes a cooling system that is designed for optimal performance in harsh environments and extreme working conditions.



Easy-to-Deploy

Pre-fabricated, Plug-and-play, Strong delivery capacity



Certification

Complies with ETL or CE standard



High IT Density

Liquid cooling: 2.24MW per container
Air cooling: 1.31MW per container



Easy Maintenance

Quick mount pads and fans are simple to remove for maintenance and replacement



Energy Saving

100% Free Cooling, Heat recovery
Environmental protection



24*7*365 Support

Sales and service offices all over the world,
24*7*365 support



Low Cost

Lower cost per miner and lower TCO



Flexible Financing

Installment, pool sharing, utility rebates, tax breaks



High Reliability

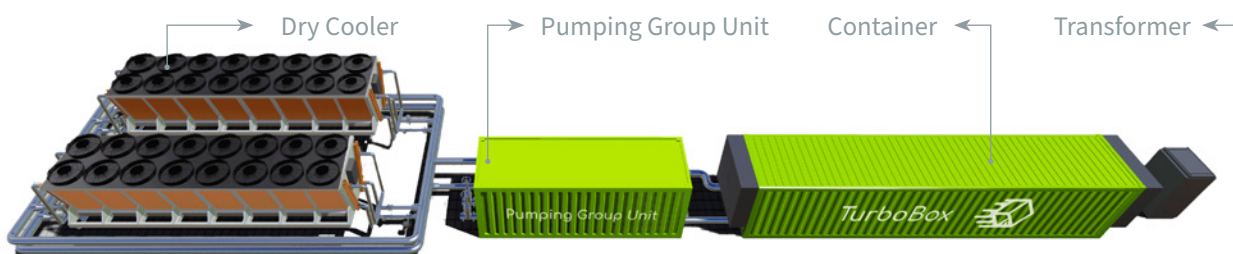
Reliable components, 24*7*365 uninterrupted operation design



The Green Crypto Mining Solution provides two different cooling approaches: Spray liquid cooling and air cooling providing customers with the flexibility to select the most appropriate solutions for their individual application.

LS SPRAY LIQUID COOLING

Draw and push shelf design. The heat exchanger separates the cooling system into two circuits: coolant circuit and water circuit. The cold coolant will be sprayed into the miners to remove the heat. The heat within the liquid coolant will be transferred to the water within the heat exchanger where unwanted heat will be efficiently dispersed into the air by dry coolers.



Characteristics

- Higher IT density: Enhanced 40' container can hold 640 miners, which drastically lowers the cost per miner
- Higher inlet and outlet water temperature, 100% free cooling anywhere
- Miners are in sealed boxes, dust-free, which greatly improves the reliability and extends the life of miners
- Silent Mining Farm: Because the sound is lower than 40dB, these mines can be placed almost anywhere.
- Dry operation interface
- Heat recovery: Selective and accurate distribution of heat to productive use areas, water temp can reach 65°C

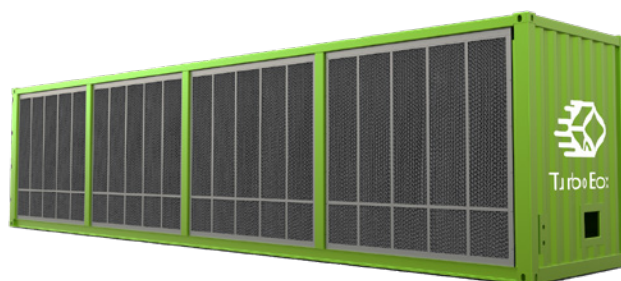


AIR COOLING

The miners are placed on a high-strength shelf where the wet pad is installed on one side of the container. The inlet air is cooled by the wet pad and then enters the container to cool the miners. Hot air is discharged by the exhaust fans installed on the other side of the container.

Characteristics

- Self-contained solution...simple and easy to deploy
- Lower cost and lower initial investment
- Dry operation interface
- Significant energy savings
- Eco-friendly solution



The Comparison Among Three Mainstream Cooling Approaches

Cooling Approach	Spray Liquid	Air Cooling	Immersive Liquid
GPU Temperature (°C/F)	53/127	80/176	58/136
IT Density	High	Low	Medium
Sealed Box, Dust-free	Yes, better reliability and longer life	None	None
Noise	Silent	High	Low
Mining Farm	Miniaturized, decentralized	Centralized	Centralized
Free Cooling	100% FC	100% FC	Partial FC
Heat Recovery	High efficiency(65°C water)	None	None or low efficiency
CAPEX	Medium	Low	High
Weight	Medium	Light	Very heavy
Complexity	Medium	Low	High
Relative pPUE	0.97	1.03	1.01
Maintenance	Low	Low	High

SPECIFICATION

		LS640	AS400
Container Dimension (L*W*H)	mm/in	12192*2900*2896 480*114.2*114	12192*2438*2896 180/96*114
Overall Weight (With Miners)	kg/tons	32000/35.3	12500/13.8
Power Supply		415 VAC 50Hz or 480 VAC 60Hz	
Miner Capacity (units) (1)	n	640	384
IT Load	MW	2.24	1.31
Dry Cooler Model * Qty		VMEH-F700S*4	/
Dimension of Single Dry Cooler(L*W*H)	mm/in	5820*2200*2350 229*86.6*92.5	/
no. of PGU (Pumping Group Unit) (2)	n	PGU40*1	/
no. of PTU (Power Transformer Unit) (3)	n	1 (Optional)	1 (Optional)

(1) Miner capacity will be different with different miner models

(2) PGU40H with heat recovery is optional

(3) Virous specs of PTU : primary voltage 5kV/15kV/25kV/35kV, secondary voltage 415V

(4) For 20'container solution, please contact Airsys for customization

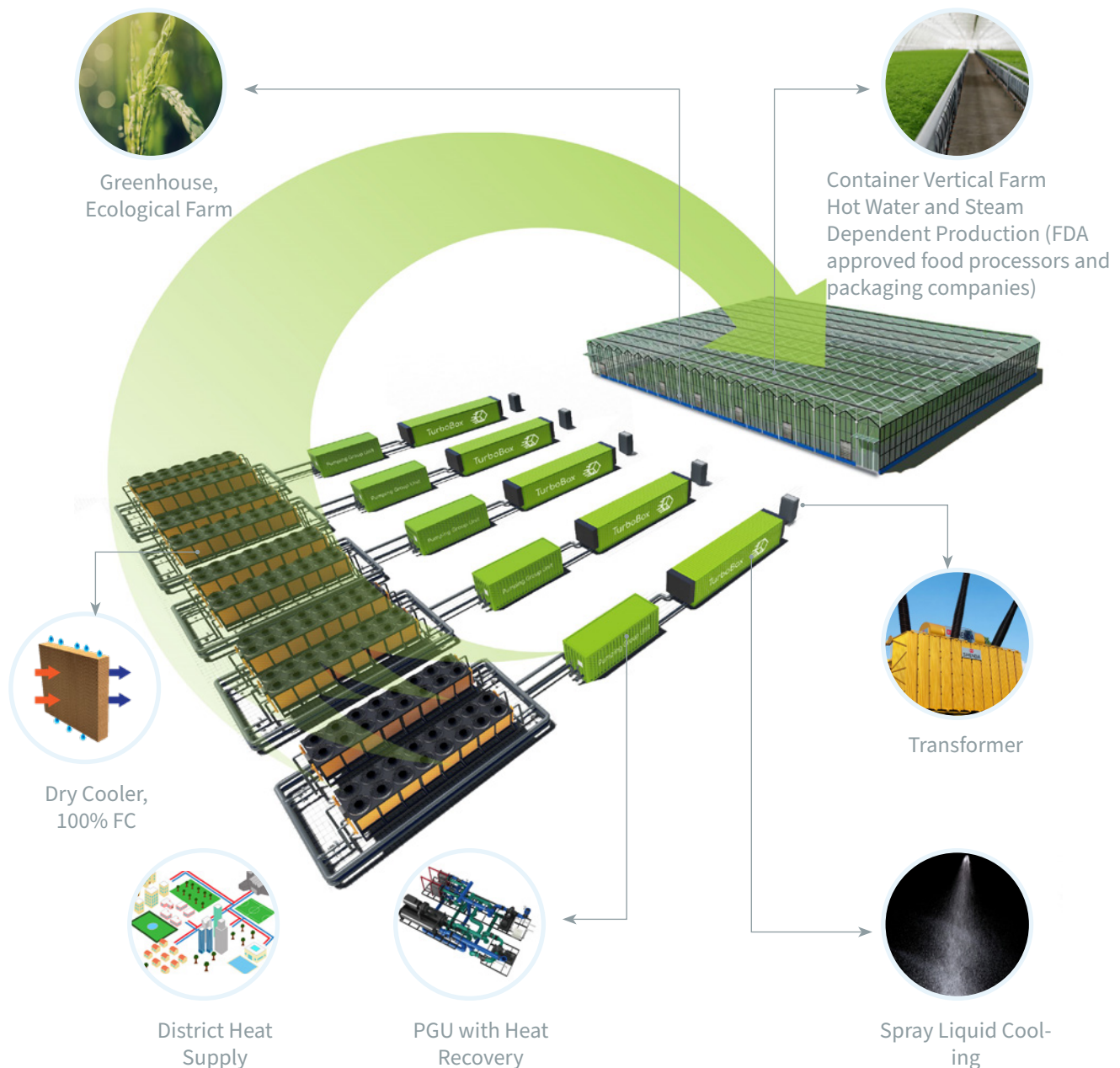
CERTIFICATION

Customer can choose different configurations according to the certification requirements of the target market.

For the US, Canada, and the EU market, the components in the system are all chosen in accordance with CE or UL or ETL standard. The full container is in line with CE or ETL electrical safety standard, and the container body is in line with China Classification Society standard.



Redefining the Data Infrastructure from "Core of Energy Consumption" to "Mission Critical Utility"





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