

## **WHATSMINER**

**Product Manual** 



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### WHATSMINER M30S++

### Air Cooling



SPECIFICATIO	N			
Hashrate	100~112T ± 5%	Size	430mm*155mm*226mm	
Power Ratio	31J/T ± 5% @25° C	Weight	11.7KG	
Power On Wall	3100~3472W ± 10%	Internet Connections	Ethernet	
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A	
Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V	







Components	Power Supply, Fan, Control Board, Hash Board, Case
Flashing Light Introduction	Blinking Green Light:
Introduction	Working normally
	Green and Red Lights Alternately Flashing:
	Alarm status and need to find the response error code
Safety Guidelines	<ol> <li>Please check if there is any obvious physical failure before power on, beware of electric shock</li> </ol>
	2. The product must be kept away from water sources and must
	not be operated in a humid environment  3. It requires professionals to carry out daily maintenance on the product
	4. It is forbidden to directly touch the product by hand when power is on
	5. Please use the stable voltage
	6. The size of the air outlet: 143*218mm, refer to the relevant
	documents for the specific shape(website-support-download)
Warranty Period	One year after leaving the factory
After-sales Contact	Email: Support@microbt.com
Information	2. Telegram Group: @WhatsMiner Community

# WHATSMINER M30S+

### Air Cooling



SPECIFICATIO	N		
Hashrate	100T ± 5%	Size	430mm*155mm*226mm
Power Ratio	34J/T ± 5% @25° C	Weight	11.7KG
Power On Wall	3400W ± 10%	Internet Connections	Ethernet
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A
hatsminer Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V







Power Supply, Fan, Control Board,	C MZ			
Hash Board, Case				
Blinking Green Light:				
Working normally				
Green and Red Lights Alternately Flashing:				
Alarm status and need to find the response error code				
1. Please shock if there is any obvious physical failure	hoforo			
power on, beware of electric shock				
2. The product must be kept away from water sources	and must			
> → wnatsminer >> → wnatsminer	Who wh			
<ol><li>It requires professionals to carry out daily maintena product</li></ol>	nce on the			
<ol> <li>It is forbidden to directly touch the product by hand power is on</li> </ol>	when			
5. Please use the stable voltage				
6. The size of the air outlet: 143*218mm, refer to the re	elevant			
documents for the specific shape(website-support-	download)			
One year after leaving the factory				
1. Email: Support@microbt.com				
Telegram Group: @WhatsMiner Community				
	Blinking Green Light: Working normally  Green and Red Lights Alternately Flashing: Alarm status and need to find the response error code  1. Please check if there is any obvious physical failure power on, beware of electric shock 2. The product must be kept away from water sources not be operated in a humid environment 3. It requires professionals to carry out daily maintena product 4. It is forbidden to directly touch the product by hand power is on 5. Please use the stable voltage 6. The size of the air outlet: 143*218mm, refer to the redocuments for the specific shape(website-supported)  One year after leaving the factory  1. Email: Support@microbt.com			

# WHATSMINER M30S

### Air Cooling



SPECIFICATIO	N		
Hashrate	88T ± 5%	Size	430mm*155mm*226mm
Power Ratio	38J/T ± 5% @25° C	Weight	11.7KG
Power On Wall	3344W ± 10%	Internet Connections	Ethernet
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A
Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V







Components whatsminer	Power Supply, Fan, Control Board, Hash Board, Case			
Flashing Light	Blinking Green Light:			
Introduction	Working normally			
	Green and Red Lights Alternately Flashing:			
	Alarm status and need to find the response error code			
Safety Guidelines	<ol> <li>Please check if there is any obvious physical failure before power on, beware of electric shock</li> </ol>			
	<ol><li>The product must be kept away from water sources and must not be operated in a humid environment</li></ol>			
	3. It requires professionals to carry out daily maintenance on the			
	product			
	<ol> <li>It is forbidden to directly touch the product by hand when power is on</li> </ol>			
	5. Please use the stable voltage			
	6. The size of the air outlet: 143*218mm, refer to the relevant			
	documents for the specific shape(website-support-download)			
Warranty Period	One year after leaving the factory			
After-sales Contact	1. Email: Support@microbt.com			
Information	2. Telegram Group: @WhatsMiner Community			

# WHATSMINER M31S+

### Air Cooling



SPECIFICATIO	N	$\times$	$\times$
Hashrate	80T ± 5%	Size	430mm*155mm*226mm
Power Ratio	42J/T ± 5% @25° C	Weight	11.7KG
Power On Wall	3360W ± 10%	Internet Connections	Ethernet
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A
Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V







Components whatsminer	Power Supply, Fan, Control Board, Hash Board, Case
Flashing Light	Blinking Green Light:
Introduction	Working normally
	Green and Red Lights Alternately Flashing:
	Alarm status and need to find the response error code
Safety Guidelines	<ol> <li>Please check if there is any obvious physical failure before power on, beware of electric shock</li> </ol>
	<ol><li>The product must be kept away from water sources and must not be operated in a humid environment</li></ol>
	3. It requires professionals to carry out daily maintenance on the product
	4. It is forbidden to directly touch the product by hand when
	power is on 5. Please use the stable voltage
	6. The size of the air outlet: 143*218mm, refer to the relevant
	documents for the specific shape(website-support-download)
Warranty Period	One year after leaving the factory
After-sales Contact	Email: Support@microbt.com
Information	2. Telegram Group: @WhatsMiner Community

# WHATSMINER M31S

### Air Cooling



SPECIFICATIO	N			
Hashrate	72T ± 5%	Size	430mm*155mm*226mm	
Power Ratio	46J/T ± 5% @25° C	Weight	11.7KG	
Power On Wall	3312W ± 10%	Internet Connections	Ethernet	
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A	
Air flow	350CFM	PSU Model Whatsmi	P221B/P222B AC220V ~ 240V	







Components	Power Supply, Fan, Control Board, Hash Board, Case	
Flashing Light	Blinking Green Light:	
Introduction	Working normally	
	Green and Red Lights Alternately Flashing:	
	Alarm status and need to find the response error code	wha
Safety Guidelines	<ol> <li>Please check if there is any obvious physical failure power on, beware of electric shock</li> </ol>	e before
	<ol><li>The product must be kept away from water sources not be operated in a humid environment</li></ol>	s and must
	<ol> <li>It requires professionals to carry out daily mainten product</li> </ol>	ance on the
	<ol> <li>It is forbidden to directly touch the product by han power is on</li> </ol>	d when
	5. Please use the stable voltage	
	6. The size of the air outlet: 143*218mm, refer to the	relevant
	documents for the specific shape(website-support	-download)
Warranty Period	One year after leaving the factory	
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After-sales Contact	1. Email: Support@microbt.com	
Information	2. Telegram Group: @WhatsMiner Community	

### WHATSMINER M33S++

### Hydro Cooling





SPECIFICATION			whatsn
Hashrate	218~240T ±10%		
Power Ratio	31J/T ± 5%	/	
PSU whatsminer	AC380~480V, 3W+ ground, inpu	rt 10kw	whatsr
Size	86mm*482.6mm*663mm with	handle	
Weight	Net weight: 27.5kg Weight w	vith packaging material	s: 30kg
Coolant demand per machine	About 1L		
Power Cable Model	Custom made, ≥16A	whatsminer	<del>────────────────────────────────────</del>
Internet Connections	Ethernet	<u> </u>	

### **ENVIRONMENTAL PARAMETERS**

Liquid temper	rature	☐ Working temperature (inlet): 20 ℃ ~50 ℃ @normal	mode
		20 ℃~40 ℃ @high performance mode;	
		☐ Inlet temperature control accuracy ± 2 °C	
		☐ Storage and transportation temperature: -40~70 of	C W W
		Note: please empty the liquid in the equipment dur transportation.	ing storage and
Liquid flow		<ul><li>□ Limited Data: ≥10L/min</li><li>□ Flow control accuracy ± 10%</li></ul>	
		Remarks: 10L/min corresponds to the temperature of between inlet and outlet water close to 10 °C @norm @high performance mode	

Liquid pressure	≤350kpa
	Remarks: when the pressure is more than 350kpa, the water-cooled plate will be deformed and cause the risk of coolant
Liquid medium	First-level deionized water: meet the requirements of the national standard GB/T 6682-2008 first-level deionized water
	Notice:
	<ol> <li>If the water conductivity is ≥100us/cm, the medium must be replaced;</li> </ol>
	2) The water conductivity is less than 5us/cm when the system is
	running for the first time.
Liquid PH	Control range: 6~8
Liquid medium circulation	☐ Anti-rust and anti-corrosion of pipeline;
system(Machine side)	☐ The particle diameter of the liquid medium is ≤53 microns,
	that is, the circulation system is equipped with a 270 mesh filter;
	$\square$ Before connecting the cabinet to the heat dissipation system,
	clean and filter the system pipeline with deionized water to
	remove dust, welding slag and other impurities;
	☐ The temperature resistance of system components is above 85°C;
	☐ The circulatory system is recommended to be equipped with a
	UV lamp sterilization device to prevent the liquid from breeding
	bacteria and attenuate the heat dissipation capacity of the system;
	☐ The system is equipped with a 4bar safety relief valve;
	☐ The system is equipped with a constant pressure expansion tank.
	Note: when the temperature of the coolant rises after the miner is turned on the pressure will rise.
Humidity	☐ Working humidity: 5%RH~85%RH (non-condensing)
	☐ Storage humidity: 5%RH~95%RH (non-condensing)
	☐ Long-term storage humidity: 30%RH~69%RH (no condensation)

■ Table2 Example of temperature and flow parameters of 30% ethylene glycol antifreeze

	☐ Working temperature (inlet):		
	15 ℃~35 ℃ @high performance n	node	
Temperature	☐ Inlet temperature control	accuracy ± 2°C whatsmir	
	$\square$ Storage and transportation to	emperature: -40~70°C	
	Note: please empty the liquid in transportation.	the equipment during storage a	and
	☐ Limited Data:≥11L/min		
Flow	☐ Flow control accuracy ± 10	0%	
	Remarks: The temperature diffe at this flow rate is close to 10 C @		• •
	mode)		

Warranty Period
One year after leaving the factory

After-sales Contact
Information
1. Email: Support@microbt.com
2. Telegram Group: @WhatsMiner Community

### WHATSMINER M33S+

### Hydro Cooling





#### **SPECIFICATION** Hashrate 198~220T ± 10% Power Ratio $34J/T \pm 5\%$ AC380~480V, 3W+ ground, input 10kw PSU 86mm\*482.6mm\*663mm with handle Size Net weight: 27.5kg Weight with packaging materials: 30kg Weight About 1L Coolant demand per machine Custom made, ≥16A

### **ENVIRONMENTAL PARAMETERS**

Ethernet

Power Cable Model

**Internet Connections** 

Liquid temperature	20°C~40°C@hig ☐ Inlet temperatu	erature (inlet): 20°C gh performance mo ure control accurac unsportation tempo	ode; cy ± 2°C	
	= otorage and tra	noportation temp	. 10 10 0	
	Note: please emptransportation.	ty the liquid in the	equipment durir	ng storage and
				<
Liquid flow	☐ Limited Data: ≥	>10L/min		
	☐ Flow control ac	curacy ± 10%		
	Remarks: 10L/mir	n corresponds to th	ne temperature d	ifference
	between inlet and @high performan	l outlet water close ce mode	e to 10°C@norma	ll mode, 14°C

≤350kpa whatsminer whatsminer				
Remarks: when the pressure is more than 350kpa, the water-cooled plate will be deformed and cause the risk of coolan leakage.	water-cooled plate will be deformed and cause the risk of coolant			
First-level deionized water: meet the requirements of the national	al			
standard GB/T 6682-2008 first-level deionized water				
Notice: 1) If the water conductivity is ≥100us/cm, the medium must be replaced; 2) The water conductivity is less than 5us/cm when the system is running for the first time.				
Whatsminer Whatsminer	8			
Control range: 6~8				
<ul> <li>□ The particle diameter of the liquid medium is ≤53 microns, that is, the circulation system is equipped with a 270 mesh filte</li> <li>□ Before connecting the cabinet to the heat dissipation system, clean and filter the system pipeline with deionized water to remove dust, welding slag and other impurities;</li> <li>□ The temperature resistance of system components is above 85</li> <li>□ The circulatory system is recommended to be equipped with a UV lamp sterilization device to prevent the liquid from breedin bacteria and attenuate the heat dissipation capacity of the system is equipped with a 4bar safety relief valve;</li> <li>□ The system is equipped with a constant pressure expansion tail</li> </ul>	SC; n ng stem;			
Note: when the temperature of the coolant rises after the mine turned on the pressure will rise.	er is			
<ul><li>☐ Working humidity: 5%RH~85%RH (non-condensing)</li><li>☐ Storage humidity: 5%RH~95%RH (non-condensing)</li></ul>	n)			
	water-cooled plate will be deformed and cause the risk of coolan leakage.  First-level deionized water: meet the requirements of the national standard GB/T 6682-2008 first-level deionized water  Notice:  1) If the water conductivity is ≥100us/cm, the medium must be replaced; 2) The water conductivity is less than 5us/cm when the system is running for the first time.  Control range: 6~8  Anti-rust and anti-corrosion of pipeline; The particle diameter of the liquid medium is ≤53 microns, that is, the circulation system is equipped with a 270 mesh filte Before connecting the cabinet to the heat dissipation system, clean and filter the system pipeline with deionized water to remove dust, welding slag and other impurities; The temperature resistance of system components is above 85 The circulatory system is recommended to be equipped with a UV lamp sterilization device to prevent the liquid from breedin bacteria and attenuate the heat dissipation capacity of the system The system is equipped with a 4bar safety relief valve; The system is equipped with a constant pressure expansion ta Note: when the temperature of the coolant rises after the mine turned on the pressure will rise.			

Table2 Example of temperature and flow parameters of 30% ethylene glycol antifreeze

	☐ Working temperature	ıre (inlet): 15℃~45	©@normal mode	
	15℃~35℃@high perfo	ormance mode		
Temperature	☐ Inlet temperature	e control accura	cy ± 2℃	
	☐ Storage and transp	ortation temperat	ure: -40~70°C whatsi	
	Note: please empty th transportation.	e liquid in the equ	ipment during stora	ge and
	☐ Limited Data:≥1	1L/min		
Flow	☐ Flow control accu	ıracy± 10%		
	Remarks: The tempera at this flow rate is clos mode)			•

Warranty Period One year after leaving the factory

After-sales Contact Information

- 1. Email: Support@microbt.com
- 2. Telegram Group: @WhatsMiner Community

# WHATSMINER M50S+

### Air Cooling



SPECIFICATIO	N		
Hashrate	130~142T ± 5%	Size whatsmi	430mm*155mm*226mm
Power Ratio	24J/T ± 5%@25° C	Weight	11.7KG
Power On Wall	3120~340W ± 10%	Internet Connections	Ethernet
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A
Air flow \	350CFM	PSU Model	P221B/P222B AC220V ~ 240V







Components	Power Supply, Fan, Control Board, Hash Board, Case
Flashing Light	Blinking Green Light:
Introduction	Working normally
	Green and Red Lights Alternately Flashing:
	Alarm status and need to find the response error code
Safety Guidelines	Please check if there is any obvious physical failure before power on, beware of electric shock
	The product must be kept away from water sources and must not be operated in a humid environment
	It requires professionals to carry out daily maintenance on the product
	It is forbidden to directly touch the product by hand when power is on
	Please use the stable voltage
	The size of the air outlet: 143*218mm, refer to the relevant documents for the specific shape(website-support-download)
Warranty Period	One year after leaving the factory
After-sales Contact	Email: Support@microbt.com whatsminer
Information	2. Telegram Group: @WhatsMiner Community

### WHATSMINER M50S

### Air Cooling



SPECIFICATION					
Hashrate	120~130T ± 5%	Size	430mm*155mm*226mm		
Power Ratio	26J/T ± 5%@25° C	Weight	11.7KG		
Power On Wall	3120~3380W ± 10%	Internet Connections	Ethernet		
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A		
Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V		







Components	Power Supply, Fan, Control Board, Hash Board, Case
Flashing Light Introduction	Blinking Green Light: Working normally
	Green and Red Lights Alternately Flashing: Alarm status and need to find the response error code
Safety Guidelines	<ol> <li>Please check if there is any obvious physical failure before power on, beware of electric shock</li> <li>The product must be kept away from water sources and must not be operated in a humid environment</li> <li>It requires professionals to carry out daily maintenance on the product</li> <li>It is forbidden to directly touch the product by hand when power is on</li> <li>Please use the stable voltage</li> <li>The size of the air outlet: 143*218mm, refer to the relevant documents for the specific shape(website-support-download)</li> </ol>
Warranty Period	One year after leaving the factory
After-sales Contact Information	<ol> <li>Email: Support@microbt.com</li> <li>Telegram Group: @WhatsMiner Community</li> </ol>

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## WHATSMINER M50

### Air Cooling



SPECIFICATIO	N	whatsmi	ner whats
Hashrate	110~120T ± 5%	Size	430mm*155mm*226mm
Power Ratio	29J/T ± 5%@25° C	Weight	11.7KG
Power On Wall	3190~3480W ± 10%	Internet Connections	Ethernet whatsh
Working Temperature	-5° C ~ 35° C	Power Cable Model	IEC C19, ≥16A
Air flow	350CFM	PSU Model	P221B/P222B AC220V ~ 240V







Components		Power Supply, Fan	, Control Board,		
		Hash Board, Case	×	$\times$	
Flashing Light		Blinking Green Lig	ht:		
Introduction		Working normally			
		Green and Red Lig	hts Alternately Flashing:		
		Alarm status and n	eed to find the response error coo	de	
Safety Guidelines		1. Please check if	there is any obvious physical failu	re before	
		power on, bewa	are of electric shock		
			ust be kept away from water sourd I in a humid environment	es and must	
		3. It requires profe product	essionals to carry out daily mainte	enance on the	
		4. It is forbidden t	o directly touch the product by ha	nd when	
		power is on			
		5. Please use the s	9		
		6. The size of the air outlet: 143*218mm, refer to the relevant documents for the specific shape(website-support-download)			
>			$\times$	<u> </u>	
Warranty Period		One year after leav	ring the factory		
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After-sales Contact		1. Email: Support(	@microbt.com		
Information		2. Telegram Group	e: @WhatsMiner Community		

### WHATSMINER M53S

### Hydro Cooling





	SPECIFICATION			
Ī	Hashrate	264~288T ± 10%		
3	Power Ratio	26J/T ± 5% whatsminer		
	PSU AC380~480V, 3W+ ground, input 10kw			
	Size	86mm*482.6mm*663mm with handle		
	Weight	Net weight: 27.5kg Weight with packaging materials: 30kg		
	Coolant demand per machine	About 1L		
	Power Cable Model	Custom made, ≥16A		
Ī	Internet Connections	Ethernet		

### **ENVIRONMENTAL PARAMETERS**

	Liquid temperature	e	☐ Working tempe	rature (inlet): 20 ℃ ~	50℃@normal m	node
			20 ℃~40 ℃@hig	h performance mo	de; <sub>miner</sub>	
			☐ Inlet temperatu	re control accuracy	ı ± 2°C	
			$\square$ Storage and tra	nsportation tempe	rature: -40~70℃	
			Note: please empt transportation.	y the liquid in the e	equipment durir	ng storage and
2	whatsminer	The state of the s	whatsminer	wh:	atsminer	wha
	Liquid flow		☐ Limited Data: ≥	:10L/min		
			☐ Flow control ac	curacy ± 10%		
				corresponds to the outlet water close		
			@high performan	re mode		

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Liquid pressure	≤350kpa
	Remarks: when the pressure is more than 350kpa, the water-cooled plate will be deformed and cause the risk of coolant leakage.
Liquid medium	First-level deionized water: meet the requirements of the national standard GB/T 6682-2008 first-level deionized water
	Notice: 1) If the water conductivity is ≥100us/cm, the medium must be replaced; 2) The water conductivity is less than 5us/cm when the system is running for the first time.
Liquid PH	Control range: 6~8
Liquid medium circulation system(Machine side)	<ul> <li>□ Anti-rust and anti-corrosion of pipeline;</li> <li>□ The particle diameter of the liquid medium is ≤53 microns, that is, the circulation system is equipped with a 270 mesh filter;</li> <li>□ Before connecting the cabinet to the heat dissipation system, clean and filter the system pipeline with deionized water to remove dust, welding slag and other impurities;</li> <li>□ The temperature resistance of system components is above 85 °C;</li> <li>□ The circulatory system is recommended to be equipped with a UV lamp sterilization device to prevent the liquid from breeding bacteria and attenuate the heat dissipation capacity of the system</li> <li>□ The system is equipped with a 4bar safety relief valve;</li> <li>□ The system is equipped with a constant pressure expansion tank.</li> </ul>
	Note: when the temperature of the coolant rises after the miner is turned on the pressure will rise.
Humidity	<ul> <li>□ Working humidity: 5%RH~85%RH (non-condensing)</li> <li>□ Storage humidity: 5%RH~95%RH (non-condensing)</li> <li>□ Long-term storage humidity: 30%RH~69%RH (no condensation)</li> </ul>

Table2 Example of temperature and flow parameters of 30% ethylene glycol antifreeze

Temperature	<ul> <li>□ Working temperature (inlet): 15 °C ~ 45 °C @normal mode</li> <li>15 °C ~ 35 °C @high performance mode</li> <li>□ Inlet temperature control accuracy ± 2 °C</li> <li>□ Storage and transportation temperature: -40~70 °C</li> <li>Note: please empty the liquid in the equipment during storage and transportation.</li> </ul>
Flow	□ Limited Data: ≥11L/min □ Flow control accuracy ± 10%  Remarks: The temperature difference between the inlet and outlet liquids at this flow rate is close to 10 °C @normal mode, 14 °C @high-performance mode)

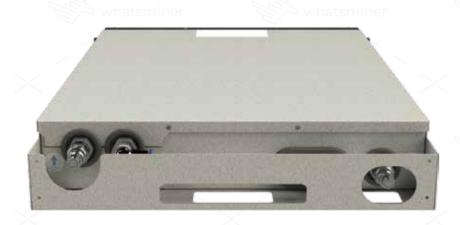
Warranty Period
One year after leaving the factory

After-sales Contact
Information
1. Email: Support@microbt.com
2. Telegram Group: @WhatsMiner Community

### WHATSMINER M53

### Hydro Cooling





SPECIFICATION					
Hashrate	226~250T ± 10%				
Power Ratio	29J/T ± 5% whatsminer				
PSU	AC380~480V, 3W+ ground, input 10kw				
Size	86mm*482.6mm*663mm with handle				
Weight	Net weight: 27.5kg Weight with packaging materials: 30kg				
Coolant demand per machine	About 1L				
Power Cable Model	Custom made, ≥16A				
Internet Connections	Ethernet				

### **ENVIRONMENTAL PARAMETERS**

	Liquid temperature		☐ Working temp	erature (inlet): 20 ° ~	50℃@normal m	ode
			20 °C ~40 °C @hi	gh performance mod	de; <sub>niner</sub>	
			☐ Inlet temperat	ure control accuracy	± 2°C	
			☐ Storage and tra	ansportation temper	ature: -40~70℃	
				. /		
			Note: please emptransportation.	ty the liquid in the e	quipment durin	g storage and
>_	whatsminer	Lang.	whatsminer	what	sminer	<u> </u>
	Liquid flow		☐ Limited Data:	≥10L/min		
			☐ Flow control a	ccuracy ± 10%		
			between inlet an	n corresponds to the d outlet water close		
			@high performar	nce mode		

Liquid pressure	≤350kpa		
	Remarks: when the pressure	is more than 350kpa, the eformed and cause the risk of cool	lant
	leakage. Whatsminer	whatsminer	H
Liquid medium	First-level deionized water: ı	neet the requirements of the natio	onal
	standard GB/T 6682-2008 fil	st-level deionized water	
	Notice:		
		s ≥100us/cm, the medium must b	эе 🥞
		less than 5us/cm when the system	n is
Liquid PH	Control range: 6~8		
W whatsminer	Was winaisminer	W.S. whatsminer	E1
		f : 1:	
Liquid medium circulation	☐ Anti-rust and anti-corrosi	• •	
system(Machine side)	-	he liquid medium is ≤53 microns,	
		tem is equipped with a 270 mesh foinet to the heat dissipation syster	
		n pipeline with deionized water to	
	remove dust, welding slag	g and other impurities;	
	☐ The temperature resistan	ce of system components is above	85°C;
	☐ The circulatory system is	recommended to be equipped wit	:h a
	UV lamp sterilization devi	ce to prevent the liquid from bree	ding
		e heat dissipation capacity of the	system;
		ith a 4bar safety relief valve;	
	$\square$ The system is equipped w	ith a constant pressure expansion	tank.
	Note: when the temperate turned on the pressure w	ure of the coolant rises after the m Il rise.	iner is
	turned on the pressure in		
Humidity	☐ Working humidity: 5%RH	~85%RH (non-condensing)	
	☐ Storage humidity: 5%RH~		
	, M	ity: 30%RH~69%RH (no condensa	tion)
	3		,

#### ■ Table2 Example of temperature and flow parameters of 30% ethylene glycol antifreeze

	☐ Working temperature (inlet): 15 °C ~4!	5℃@normal mode	
	15°C ~35°C @high performance mode	o e continua mode	
Temperature	☐ Inlet temperature control accura	ıcv ± 2℃	
$\times$	☐ Storage and transportation temperate	-	
	Note: please empty the liquid in the equatransportation.	uipment during stora	age and
	whatsminer		
	☐ Limited Data:≥11L/min		
Flow	☐ Flow control accuracy ± 10%		
	Remarks: The temperature difference b at this flow rate is close to 10 °C @norma mode)		

Warranty Period
One year after leaving the factory

After-sales Contact
Information
1. Email: Support@microbt.com
2. Telegram Group: @WhatsMiner Community



### CONTACT US

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