Smart-Inverter ULT Freezer

Midea Biomedical

Smart-Inverter ULT Freezer, equipped with a 10.1″ TFT Touch Screen and cutting-edge Inverter technology. Experience precise temperature control and enhanced energy efficiency with intuitive controls, perfect for forward-thinking laboratories prioritizing innovation and sustainability.





Smart-Inverter ULT Freezer

Scope of Application

Applicable for products and samples which require strict storage, biological products, electronics and special materials. Products are widely used in hospitals, disease control, CDC, scientific research institutions biomedical engineering institutes, agriculture/fishery companies.

Smarter by Design

Midea Smart-Inverter ULT Freezer are designed to be energy saving. The control system automatically tunes the speed of the compressors to optimize the operation.

Smart-Inverter Technology

Variable speed compressors are coupled in the freezer, the compressors will work based on the loads and inter change fluctuation. The control system automatically tunes the speed of the compressors to optimize the operation.

Low Energy Consumption

Smart-Inverter freezer coupled with environmentally safe and friendly hydrocarbon refrigeration system, allows the freezers to operate at a low level of energy consumption.

High Temperature Stability

The innovative control algorithm balances the effects of temperature loss with the unique frequency conversion refrigeration system, ensuring the cabinet temperature stability.

Active ECO Technology

Midea active ECO technology can significantly reduce energy consumption and maintain good interior temperature uniformity at the same time.

Smart-Inverter ULT Freezer



MD-86L568BS

1 Multi-layer Silicone Sealing Structure

Multi-layers silicone gaskets provide a tight seal between the inner doors and outer door, reducing heat exchange rate and retaining the inner temperature better when there is power failure.



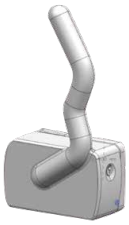
2 TFT Touch Screen

Visual management, real time display inner temperature, alarms, temperature curves and other data.



3 Ingenious Handle Design

Ingenious handle design helps you easy to open and close door easier. Lockable handle safeguards your precious samples. Padlock can also be added for extra sample safety.



4 Maximum Samples Storage

Optimized dimension design provides maximum inner space for 40,000.pcs 2ml vial.

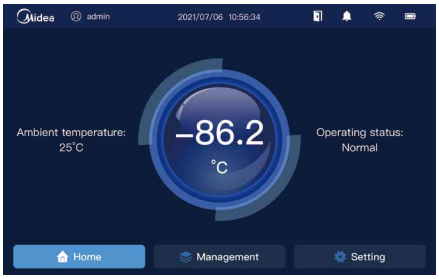
5 USB Interface

Enables users to download historical temperature data for compliance/auditing purposes.

6 Heated Pressure Equalization Port

It allows users to re-open the main door quickly when entering, rust-proof, freeze-free.

Discover Midea Touch Screen

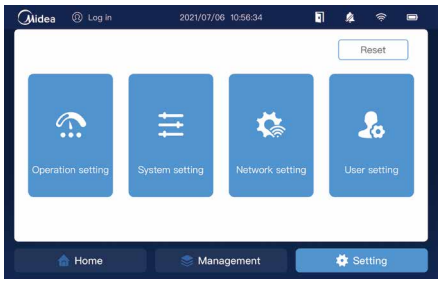


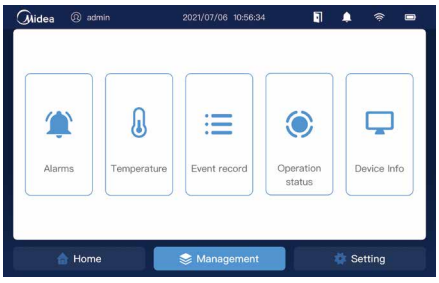
10.1" TFT Touch Screen

Global integrated Experience unparalleled convenience with midea easy-to-use interface, featuring a state of-the art 10.1" TFT Touch Screen. Take command of precise temperature control effortlessly, ensuring optimal storage conditions for even the most sensitive materi-als.cold chain solutions supplier

Multi Visual management

Immerse yourself in comprehensive visual management with Multi Visual system, empowering you to monitor temperature, humidity, and alarms in real-time. Effortlessly ensure sample integrity and regulatory compliance as you access detailed data and trends with ease.



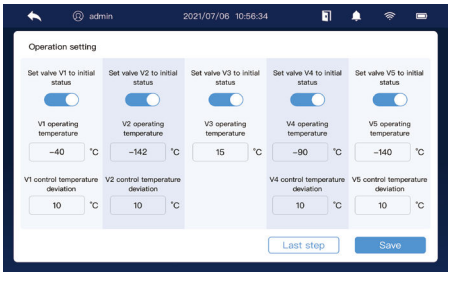


Convenience settings

Simplify your laboratory workflow with ULT Freezer's convenient settings feature. Effortlessly configure parameters using the large, intuitive touchscreen interface, streamlining operation for users of all levels,ensuring efficient management of your valuable samples. Whether adjusting temperature thresholds or setting alarms.

Precise Sample Safety

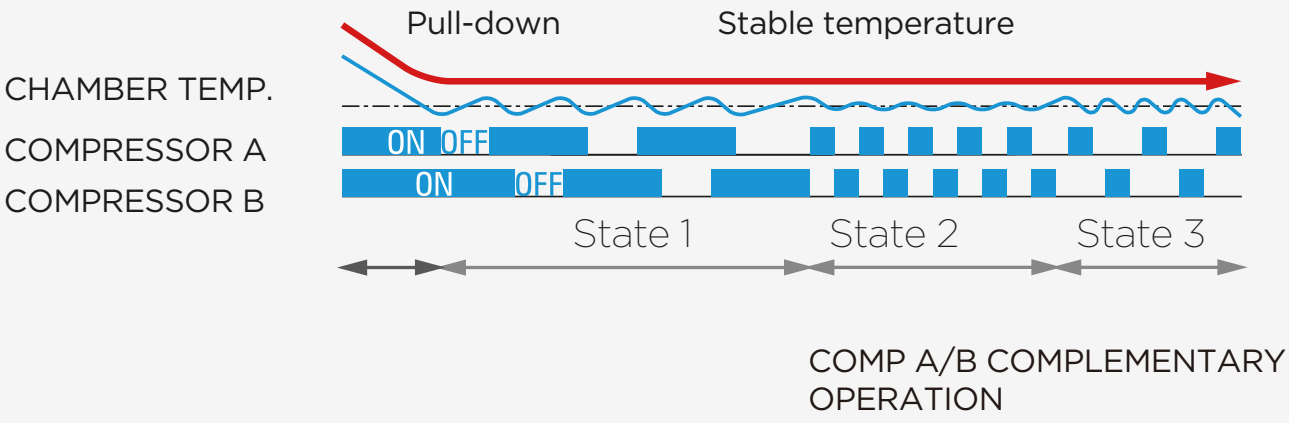
Ensure the utmost safety and security for samples with 10.1" TFT Touch Screen feature. Experience unparalleled control and visibility as you monitor and adjust tempera-ture settings with precision. Rest easy knowing that your valuable samples are safeguarded against temperature fluctuations and environmental changes.



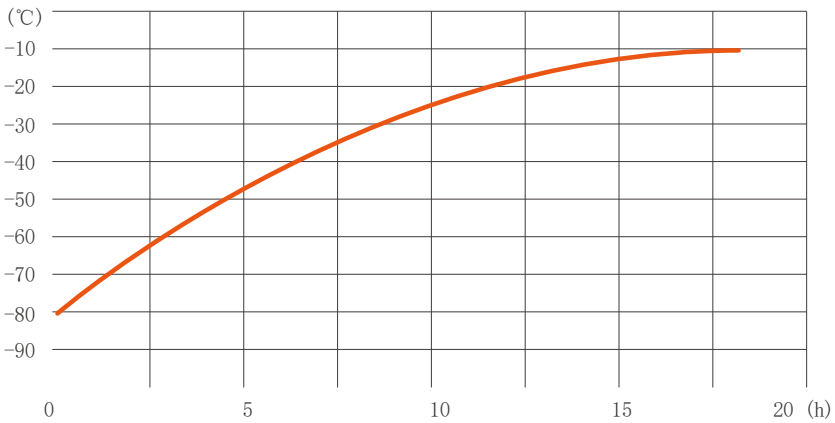
Discover Midea Active ECO Technology

Midea Active ECO Technology is applied to all Midea ULT freezer, which means all the products default to run in ECO mode. Based on ECO technology, the compressors performance based on the loads or temperature change.

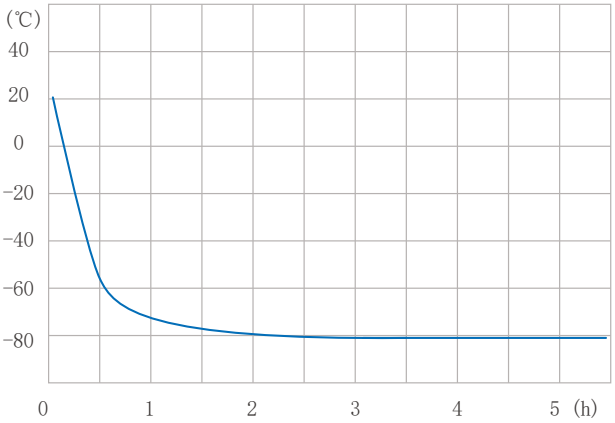
The control system automatically tunes the speed of the compressors to optimize the operation. So, Midea Active ECO Technology can significantly reduce energy consumption while maintaining good interior temperature uniformity.



Temperature recover curve



Temperature cool down curve



MD-86L818BS

Smart-Inverter ULT Freezer

Item	Model No.	MD-86L568BS	MD-86L708BS	MD-86L818BS
Product Image	Product Image			
Technical Data	Cabinet Type	Upright	Upright	Upright
	Climate Class	N	N	N
	Cooling Type	Direct cooling	Direct cooling	Direct cooling
	Defrost	Manual	Manual	Manual
	Cooling System	Twin Cooling	Twin Cooling	Twin Cooling
	Refrigerant	Mixed refrigerant	Mixed refrigerant	Mixed refrigerant
	Total Storage Volume(L)	568	708	818
	2ml Cryo Tube Qty	40000	50000	60000
	External Material	High quality coated steel	High quality coated steel	High quality coated steel
	Inner Material	Stainless steel	Stainless steel	Stainless steel
Control	Controller	Microprocessor	Microprocessor	Microprocessor
	Display	Touch Screen	TouchScreen	Touch Screen
	Temperature Accuracy(℃)	0.1	0.1	0.1
	Temperature Range	-40 ～ -86℃	-40 ～ -86℃	-40 ～ -86℃
Dimensions	Product Dimensions(mm)(wxdxh)	885*995*1980	1030*995*1980	1175*995*1980
	Interior Dimensions(mm)(wxdxh)	595*720*1310	740*720*1310	885*720*1310
Electrical Data	Power Supply	110~240V /50 ,60HZ	110~240V /50 ,60HZ	110~240V /50 ,60HZ
Functions	High Temperature Alarm	Y	Y	Y
	Low Temperature Alarm	Y	Y	Y
	Door Ajar	Y	Y	Y
	Power Failure Alarm	Y	Y	Y
	High condenser temperature alarm	Y	Y	Y
	High ambient Temperature Alarm	Y	Y	Y
	Low Battery	Y	Y	Y
	Sensor Failure alarm	Y	Y	Y
	USB Interface	Y	Y	Y
	Door Heating	Y	Y	Y
	Porthole	Y	Y	Y
	Universal Wheel	Y	Y	Y
	Caster	Y	Y	Y