bitstrong
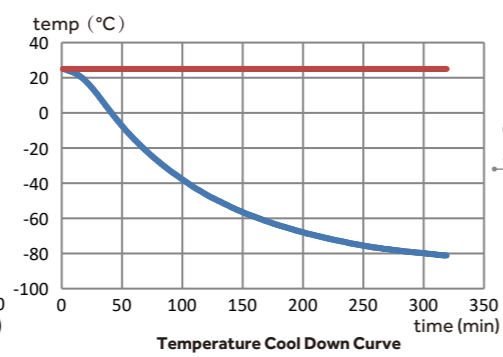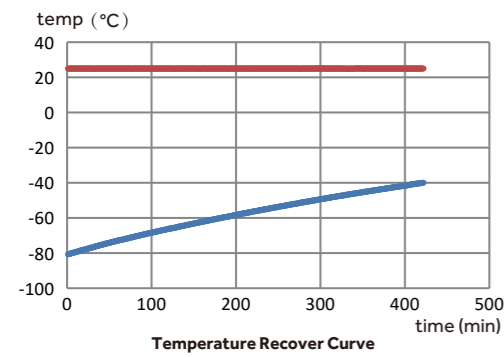
ULT Freezer DW-86L829

Typical Performance Characteristics in 25°C Ambient

— center of 3rd shelf   — amb temp

Temperature Recover Curve

Temperature Cool Down Curve

center of 3rd shelf

KEY

W0 --- TOTAL WIDTH
W1 --- FREEZER WIDTH
W2 --- INNER CABINET WIDTH
W3 --- SHELF WIDTH
D0 --- TOTAL DEPTH
D1 --- INNER CABINET DEPTH
D2 --- SHELF DEPTH
H0 --- TOTAL HEIGHT
H1 --- INNER CABINET HEIGHT

Parameter / Model	W0	W1	W2	W3	H0	H1	D0	D1	D2
DW-86L829	1153	1050	870	854	1980	1310	980	716	710

Specifications

DW-86L829

Technical Data	Cabinet Type		Upright	Functions	High/Low Temperature	Y
	Climate Class		N		Hot Condenser	Y
	Cooling Type		Direct cooling		Power Failure	Y
	Defrost Mode		Manual		High/Low Voltage	Y
	Refrigerant		HC		Sensor Error	Y
	Sound Level (dB (A))		52		Low Battery	Y
Performance	Cooling Performance (°C)		-86		High Ambient Temperature	Y
	Temperature Range (°C)		-40～-86		Door Ajar	Y
Control	Controller		Microprocessor	Accessories	Caster	Y
	Display		LCD		Foot	Y
Electrical Data	Power Supply (V/Hz)		220～240/50		Porthole	Y/2
	Power (W)		1700		Shelves/ Inner Doors	3/4
	Electrical Current (A)		10		USB Interface	Y
Dimensions	Capacity (L/Cu.Ft)		829/29.3		Remote Alarm	Y
	Net/Gross Weight (approx)	kg	380/410		5V Power Supply Port	Y
		lbs	837.7/903.9		Temperature Chart Recorder	Optional
	Interior Dimension (W*D*H)	mm	870*716*1310		RS485 Port	Standard
		in	34.3*28.2*51.6		CO2 Backup System	Optional
	Exterior Dimension (W*D*H)	mm	1153*980*1980		LN2 Backup System	Optional
		in	45.4*38.6*78.0	Other	Certification	CE
	Packing Dimension (W*D*H)	mm	1190*1045*2150			
		in	46.9*41.1*84.6			
	Container Load (20'/40'/40'H)		10/20/20			

ULT Freezer
—— DW-86L829

Making Your Lab More Intelligent and Reliable

Intelligent Inventory Management
10-inch touchscreen with single version inventory management allows users to easily record item locations, entry and exit records for intelligent stock management.

Safe and Reliable Storage
Temperature uniformity ≤±5°C, equipped with an intelligent temperature monitoring system, real-time temperature data monitoring function and multiple safety alarm system.

Energy Saving and Environmentally Friendly
The optimized hydrocarbon refrigeration system is more environmentally friendly and uses significantly less energy than older technologies, saving up to 30% on electricity. ENERGY STAR certified.

Ergonomic Design

Narrow Door Design
The freezer can pass through a 880mm wide door when the freezer door is open.

New Handle Design
Adopting exclusive slide design, easy to open and close the door

Pressure Equalization Port
Equipped with pressure equalization port for easy opening

Porthole
Two portholes as standard, allows for independent testing of cabinet temperature

Filter Design
Tool-free removable filter, making it easy and quick to clean the filter

Detachable Inner Door Design
Tool-free detachable inner door, ensuring easy and quick defrost

Product Advantages

Large Intelligent LCD Screen Visual Management

10-inch high-performance LCD capacitive screen, sensitive touch operation; intuitive display of inside temperature, ambient temperature, input voltage and other data and temperature curves.

Stored Items(materials) Management System

An accurate stored items management system was developed for users who don't use freezer racks, boxes and vials, the system easily records the items locations, entry and exit records and largely facilitate item inventory and statistics.

Single version (standard)

The stored item management system was developed for users who use freezer racks, boxes and vials, the system can easily record the item locations, entry and exit records, facilitate item inventory and statistics with multi-screen interaction and reduce errors through secondary verification.

Professional version (optional)

Equipped with Multiple Interfaces

·Standard USB interface, capable of storing data for 10 years
·Standard remote alarm terminal and RS485 port

Multiple Options for Safe Management and Control Systems

Password lock as standard with optional fingerprint module, face recognition and punch card system. Multi-person management control option to ensure safe and secure storage.
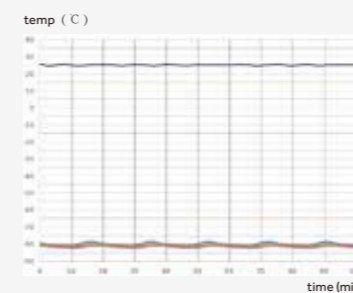
Optional IoT System Real-time Monitoring

The IoT APP can monitor the operating status of the equipment anytime and anywhere. The unit is equipped with self-diagnose system faults and alarm functions, ensuring sample safety.

Safe and Secure with Multiple Alarms

Designed and manufactured with multiple alarm functions, such as high temperature alarm, low temperature alarm, sensor failure alarm, power failure alarm, low battery alarm, door ajar alarm and high ambient temperature alarm to name a few.

Precise Temperature Control ensures Safe Storage

The setting temperature is adjustable between -40 ~ -86°C, monitoring temperature curves in real time, and the temperature safety alarm system is the latest design and state-of-the-art technology.