

Solar Direct Drive Vaccine Refrigerator



HTC-110

Scope of Application

This product is designed to store vaccine, reagents, etc. in remote, sunny regions liable to power shortages.

Innovative Design

- ◉ Safe, secure and reliable
- ◉ Environmentally friendly
- ◉ Solar energy display panel
- ◉ Optimized refrigeration system design

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Product Advantages

Product Features

- Solar direct drive, a greener and more environment-friendly technology than traditional refrigeration
- Microprocessor control, solar powered display panel shows interior temperature
- Patented technology maintains interior temperature, with longer holding times when power is off
- Cooling chamber meets the A level WHO/PQS requirements for anti-freezing protection
- Patented technology ensures better temperature uniformity
- Inner lid configuration offers additional temperature protection
- Wide working ambient range will function normally within an ambient range of 5-43°C



Solar Energy Display Panel

Ergonomic Design

- Lockable to ensure no unauthorized access
- Equipped with USB charging socket, for charging a mobile phone, etc
- Quick and efficient sample retrieval, equipped with easy-to-reach storage baskets
- Low noise
- Corrosion-resistant and ease to clean aluminium interior
- Equipped with handles on both sides of the cabinet, making it easier to move around



Specifications

Model		HTC-110		
Technical Data	Cabinet Type	Chest		
	Ambient Temperature (°C)	5-43		
	Cooling Type	Direct cooling		
	Refrigerant	HC		
	Sound Level (dB(A))	< 30		
Performance	Temperature Range (°C)	2-8		
	Freezer Protection Level	A		
Control	Controller	Microprocessor		
	Display	Solar LED temperature display		
Electrical Data	Power Supply (V)	24		
	Maximal Current (A)	5		
	Energy Consumption: Stable Running (kWh/24h)	0.58		
	Energy Consumption: Cool Down Test (kWh/24h)	0.62		
	Holdover Time at 43°C	106hrs 17mins		
	Holdover Time at 32°C	152hrs 28mins		
	Autonomy Time at 43°C	96hrs 24mins		
Solar Radiation Reference Period (kWh/m ² /day)	3.5			
Construction	Vaccine Storage Capacity (L/Cu.Ft)	59/2.08		
	Gross Volume (L/Cu.Ft)	110/3.88		
	Net/Gross Weight (approx)	kg	75/105	
		lbs	165/231.5	
	Interior Dimensions (W*D*H)	mm	545*345*575	
		in	21.5*13.6*22.6	
	Exterior Dimensions (W*D*H)	mm	1128*720*875	
		in	44.4*28.3*34.4	
Packing Dimensions (W*D*H)	mm	1190*770*1080		
	in	46.9*30.3*42.5		
Loading Quantities	Container Load (20'/40'/40'H)	26/56/56		
Alarm	Sensor Error	Y		
Accessories	Baskets	4		
	Data Logger	Y		
Others	Certification	CE, WHO/PQS		

Product appearance and specifications are subject to change without notice