Refrigeration System

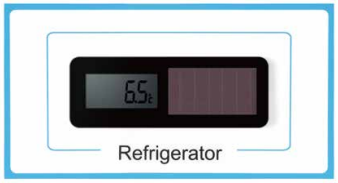
- Optimized refrigeration system design
- special structure design to maintain 2°C to 8°C for more than 30 hours at 43°C ambient
- CFC-free high density foam insulation
- Complied with WHO/UNICEF standards **Grade A** freeze protection to make the vaccine never frozen in the compartment
- Wide ambient temperature range, 5-43°C

Temperature Control

- Digital Solar driven temperature display
- Inner temperature range is 2°C to 8°C

Ergonomic Design

- Door lock for storage safety
- Indicator light to show run or stop of the compressors
- Independent temperature data logger,monitoring,recording,and managing
- Wide voltage design，172~264 volts



Solar energy display panel



HBC-80



Model			HBC-80	HBC-150	HBC-260
Technical Data	Cabinet Type		Chest	Chest	Chest
	Ambient Temperature(°C)		5-43	5-43	5-43
	Cooling Type		Direct Cooling	Direct Cooling	Direct Cooling
	Defrost Mode		Auto	Auto	Auto
	Refrigerant		CFC-Free	CFC-Free	CFC-Free
	Noise(dB(A))		40	40	40
Performance	Temperature Range(°C)		2-8	2-8	2-8
Control	Controller		Microprocessor	Microprocessor	Microprocessor
	Display		Solar LED Temperature Display	Solar LED Temperature Display	Solar LED Temperature Display
Electrical Data	Power Supply(V/Hz)		220-240/50	220-240/50	220-240/50
	Power(W)		105	110	230
	Electrical Current(A)		0.9	1	1.8
	Power Consumption:Stable Running(KWh/24h)		0.57	0.53	1.62
	Power Consumption:Cool Down Test(KWh/24h)		0.63	0.61	1.47
	Holdover Time at 43°C		59hrs 51mins	55hrs 19mins	More than 30hrs
Dimensions	Vaccine Storage Capacity(L/Cu.Ft)		61/2.2	122/4.3	211/7.5
	Gross Volume(L/Cu.Ft)		80/2.8	150/5.3	260/9.2
	Net/Gross Weight(approx)	kg	73/85	85/97	132/150
	Interior Dimensions(W*D*H)	mm	480*345*570	825*345*575	1350*345*575
		in	18.9*13.6*22.4	32.5*13.6*22.6	53.1*13.6*22.6
	Exterior Dimensions(W*D*H)	mm	788*654*875	1128*654*875	1650*654*875
		in	31*25.7*34.4	44.4*25.7*34.4	65*25.7*34.4
	Packing Dimensions(W*D*H)	Paper	Paper	Paper	Paper
		mm	835*775*1080	1175*775*1080	1705*770*1080
		in	32.9*30.5*42.5	46.3*30.5*42.5	67.1*30.3*42.5
Functions	Container Load (20'/40'/40'H)		36/78/78	30/60/60	18/42/42
	High/Low Temperature		Y	Y	Y
	Power Failure		Y	Y	Y
Accessories	Sensor Error		Y	Y	Y
	Foot		N	N	N
Others	Baskets		3	6	11
	Certificate		CE,WHO/PQS	CE,WHO/PQS	CE,WHO/PQS
	Data Logger		Y	Y	Y
	Freezer Protection Level		A	A	A