Specifications

	Model		DW-30L1280F	
	Cabinet Type		Upright	
	Climate Class		Ν	
Technical Data	Cooling Type		Forced air cooling	
l echnical Data	Defrost Mode		Automatic defrost	
	Refrigerant		HC	
	Sound Level (dB(A))		46	
Performance	Cooling Performance (°C)		-30	
	Temp Range (°C)		-10~-30	
Control	Controller		Microprocessor	
	Display		LCD	
	Power Supply (V/Hz)		220~240/50	
	Power (W)		800	
Electrical Data	Electrical Current (A)		4.5	
	Capacity (L/Cu.Ft)		1280/45.2	
	Net/Gross	kg	420/480	
	Weight(approx)	lbs	925/1057	
	Interior	mm	1320*752*1260	
Dimensions	Dimension(W*D*H)	in	52/29.6/49.6	
	Exterior Dimension(W*D*H)	mm	1520*1065*1980	
		in	59.8/41.9/77.9	
	Packing Dimension(W*D*H)	mm	1570*1080*2130	
		in	61.8/42.5/83.8	
	Container Load (20'/40'/40'H)		6/14/14	
	High/Low Temperature		Y	
	Remote Alarm		Y	
Alarms	Power Failure		Y	
	Sensor Error		Y	
	Low Battery		Y	
	High Ambient Temperature		Y	
	Door Ajar		Y	
Accessories	Castor		Y	
	Sensor Error		Y	
	Porthole		Y	
	Drawers/Inner Doors		12/-	
	Temperature Recorder		/	
	USB Interface		Y	
	RS485		Y	
Other	Certification		CE	

-30°C Biomedical Freezer

Typical Installation and Application

Suitable for sample storage within blood banks, hospitals, disease control centres, research institutes, electronic, chemical and other industries, cryopreservation of plasma, biologics and other products, also suitable for cold tests for components and materials.



DW-30L818BP

F suffix - Forced air cooling

Product appearance and specifications are subject to change without notice

Key Features



Energy saving with variable frequency inverter technology

Optimized refrigeration system with a high efficiency inverter compressor to reduce energy consumption.



Excellent temperature uniformity in a large storage space

Features built-in evaporator, large storage space and adjustable shelf, providing faster temperature pulldown and a better temperature uniformity of set point $\pm 3^{\circ}$ C.



Low noise

Sound reduction design lowers the sound level to 37dB(A) at 220V/50Hz.



Environment Friendly

 HC refrigeration system contains zero chlorine and fluorine,which is better for the environment.
Urethane foam insulation complies with European ROHS regulation. Haier Biomedical

-30°C Biomedical Freezer

Product Advantages



-30°C Biomedical Freezer

Microprocessor Control System

·Microprocessor-based temperature control. ·Large LED displays cabinet temperature with 0.1 °C resolution with adjustable temperature setting from -10 °C to -30 °C.

·Cabinet temperature, ambient temperature and voltage are shown on the panel. ·Alarm conditions include high and low temperature, sensor error, power failure, low battery, door ajar and high ambient.

·Alarm modes are audible and flashing lights. Remote alarm terminals are available. ·Battery supports display and alarm system for forty eight hours after power outage. •Optional features are IoT module, USB port, temperature recorder and NFC swipe card functions.

Insulation

·70 mm thick insulation. ·Inner doors for better thermal efficiency.

Porthole

·Two standard portholes allow ease of temperature testing.

Security Lock

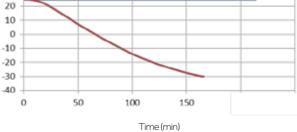
·Lock is standard. Magnetic lock is optional for added protection and security

Temperature Recorder

·Optional temperature recorder for temperature recording and compliance.

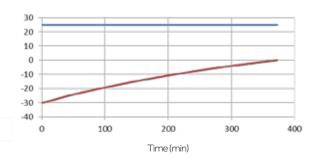
Typical Performance Characteristics at 25°C ambient











-30°C Biomedical Freezer

-30°C Biomedical Freezer

Specifications

Product Advantages		
		Technical Data
Easy to clean and corrosion resistant Electric zinc plate powder sprayed internal liner and large round corner design and c prevention which is easy to clean.	coated steel plate exterior design ensure reliable corrosion	
		Performance
		Control
	Double seal design provides better insulation and saves	Electrical Data
Ergonomic handle design: easy access to storage space, built in lock and padlock features.	energy. energy. Inner doors prevent rapid loss of cold air, saving energy and reducing temperature fluctuations.	Dimensions
and 2 lockable feet make it easy to move, level and lock in place. DW-30L818		Alarms
Microcomputer electronic		Accessories
thermostat, LCD digital display of inside tempera- ture, with 0.1 °C display accuracy.	Flexible internal storage Equipped with 5 plastic coated steel wire shelves with optional stainless steel shelves, which are adjustable to meet the different	16663301163
	requirements of users.	Other

BP suffix - Variable frequency invertor compressor

Product appearance and specifications are subject to change without notice

Cabinet TypeUprightUprightClimate ClassNNCooling TypeDirect CoolingDefrost ModeManualRefrigerantHCSound Level (dB(A))44Cooling Performance (°C)-30Cooling Performance (°C)-30ControllerMicroprocessorDisplayLCDPower Supply (V/Hz)202-240/50Power Supply (V/Hz)380Power (N)380Electrical Current (A)2.8Power (N)380Electrical Current (A)102-525Capacity (L/Cu Ft)818/28.8Net/Gross Weight fapprox)kg20.5/255*1460750*755*1460Dimension (W*D*H)inInterior Dimension (W*D*H)mmIn38.9/37.4/78.0Packing Dimension (W*D*H)mmIn38.9/37.4/78.0Packing Dimension (W*D*H)mmIn40.9/41.7/84.6Container Load (20/4)-UOH)10/22/22Inghambient TemperatureYYYPower FailureYYYSensor ErrorYYYSensor ErrorYYYPower JaireYYYDior AjarYYYPortoleYYYPortoleYYYSensor ErrorYYYSensor ErrorYYY	Model		DW-30L818	DW-30L818BP	
Interformation of the second	Cabinet Type		Upright	Upright	
Defrost ModeManualManualRefrigerantHCHCSound Level (dB(A))4437 (220V/50Hz)Cooling Performance (°C)-30-30ControllerMicroprocessorMicroprocessorDisplayLCDLEDPower Suply (V/Hz)220-240/50100-230/50/60Power (W)380680Electrical Current (A)2.87.7Capacity (L/Cu.Ft)818/28.8818/28.8Net/Gross Weight (approx)kg205/235210/240Interior Dimension (W*D*H)mm750*755*1460750*755*1460Interior Dimension (W*D*H)mm988*951*1980988*951*1980Packing Dimension (W*D*H)mm1040*1060*21501040*1060*2150Dimension (W*D*H) Dimension (W*D*H)in38.9/37.4/78.038.9/37.4/78.0Packing Dimension (W*D*H)mm1040*1060*21501040*1060*2150Dimension (W*D*H)in30.9/37.4/78.038.9/37.4/78.0Packing Dimension (W*D*H)in10/22/2210/22/22High/Low TemperatureYYYRemote AlarmYYYPower FailureYYYSensor ErrorYYYLow BatteryYYYPortholeYYYPortholeYYYDor Ajar-/3-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalOptio	Climate Class		Ν	Ν	
Refrigerant HC HC Sound Level (dB(A)) 44 37 (220V/50H2) Cooling Performance (°C) -30 -30 Temp Range (°C) -10~-30 -10~-30 Controller Microprocessor Microprocessor Display LCD LED Power Supply (V/Hz) 220-240/50 100-230/50/60 Power (W) 380 680 Electrical Current (A) 2.8 7.7 Capacity (L/Cu-Ft) 818/28.8 818/28.8 Net/Gross kg 205/235 210/240 Weight (approx) Ins 4519/518.1 463.0/529.1 Interior mm 750*755*1460 750*755*1460 Dimension (W*D*H) in 29.5*29.7*57.5 29.5/29.7/57.5 Exterior mm 988*951*1980 988*951*1980 Dimension (W*D*H) in 38.9/37.4/78.0 38.9/37.4/78.0 Packing in 1040/1060*2150 1040*1060*2150 Dimension (W*D*H) in 04.9/41.7/84.6 40.9/41.7/84.6 </td <td>Cooling Type</td> <td></td> <td>Direct Cooling</td> <td>Direct Cooling</td>	Cooling Type		Direct Cooling	Direct Cooling	
Nongenerative Number of the term Sound Level (dB(A)) 44 37 (220V/50Hz) Cooling Performance (°C) -30 -30 Temp Range (°C) -1030 -1030 Controller Microprocessor Microprocessor Display LCD LED Power Supply (V/Hz) 220-240/50 100-230/50/60 Power (W) 380 680 Electrical Current (A) 2.8 7.7 Capacity (L/Cu.Ft) 818/28.8 818/28.8 Net/Gross kg 205/235 210/240 Weight (approx) mm 750*755*1460 757*75*1460 Dimension (W*D*H) in 29.5*29.7*57.5 29.5/29.7/57.5 Exterior mm 988*951*1980 988*951*1980 Dimension (W*D*H) in 38.9/37.4/78.0 38.9/37.4/78.0 Packing mm 1040*1060*2150 1040*1060*2150 Dimension (W*D*H) in 40.9/41.7/84.6 40.9/41.7/84.6 Container Load (20/4U-U) 10/22/22 10/22/22 10/22/2	Defrost Mode		Manual	Manual	
Cooling Performance (°C)-30-30Temp Range (°C)-1030-1030ControllerMicroprocessorMicroprocessorDisplayLCDLEDPower Supply (V/Hz)220-240/50100-230/50/60Power (W)380680Electrical Current (A)2.87.7Capacity (L/Cu.Ft)818/28.8818/28.8Net/Grosskg205/235210/240Weight (approx)Ibs451.9/518.1463.0/529.1Interiormm750*75*1460750*75*1460Dimension (W*D*H)in29.5*29.7*57.529.5/29.7/57.5Exteriormm988*951*1980988*951*1980Dimension (W*D*H)in38.9/37.4/78.038.9/37.4/78.0Packing Dimension (W*D*H)in40.9/41.7/84.640.9/41.7/84.6Container Load (20/40//40'H)10/22/2210/22/22High/Low TemperatureYYYPower FailureYYYSensor ErrorYYYHigh Ambient TemperatureYYYOor AjarYYYPortholeYYYPortholeYYYPortholeYYYSensor ErrorYYYSensor ErrorYYYSensor ErrorYYYSensor ErrorYYYSensor ErrorYYYSensor ErrorYYY<	Refrigerant		HC	HC	
Temp Range (°C)1-030ControllerMicroprocessorMicroprocessorDisplayLCDLEDPower Supply (V/Hz)220-240/50100-230/50/60Power (W)380680Electrical Current (A)2.87.7Capacity (L/Cu.Ft)818/28.8818/28.8Net/Grosskg205/235210/240Weight (approx)in750*755*1460750*755*1460Dimension (W*D*H)mm750*755*1460750*755*1460Dimension (W*D*H)in29.5*29.7*57.529.5/29.7/57.5Exterior Dimension (W*D*H)mm1040*1060*21501040*1060*2150Dimension (W*D*H)in38.9/37.4/78.038.9/37.4/78.0Packing Dimension (W*D*H)mm1040*1060*21501040*1060*2150Dimension (W*D*H)in40.9/41.7/84.640.9/41.7/84.6Container Load (20/40//40'H)10/22/2210/22/22High/Low TemperatureYYPower FailureYYSensor ErrorYYHigh Ambient TemperatureYYOptionalYYDor AjarYYPortholeYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor ErrorYY <td>Sound Level (dB(A))</td> <td></td> <td>44</td> <td>37 (220V/50Hz)</td>	Sound Level (dB(A))		44	37 (220V/50Hz)	
ControllerMicroprocessorMicroprocessorDisplayLCDLEDPower Supply (V/Hz)220-240/50100-230/50/60Power (W)380680Electrical Current (A)2.87.7Capacity (L/Cu.Ft)818/28.8818/28.8Net/Grosskg205/235210/240Weight (approx)lbs451.9/518.1463.0/529.1Interiormm750*755*1460750*755*1460Dimension (W*D*H)in29.5*29.7*57.529.5/29.7/57.5Exteriormm988*951*1980988*951*1980Dimension (W*D*H)in38.9/37.4/78.038.9/37.4/78.0Packing Dimension (W*D*H)in0.40.41.7/84.6MicroprocessorYYYPacking Dimension (W*D*H)in0.40.9/41.7/84.6Packing FilterYYYPacking FilterYYPacking FilterYYDimension (W*D*H)10/22/2210/22/22High/Low TemperatureYYYYYSensor ErrorYYYYYCastorYYPortholeYYPortholeYYSensor ErrorYYSensor ErrorYYSensor ErrorYYPortholeYYSensor ErrorYYSensor ErrorYYSensor ErrorYYSensor Error<	Cooling Performance (°C)		-30	-30	
Display LCD LED Power Supply (V/Hz) 220-240/50 100-230/50/60 Power (W) 380 680 Electrical Current (A) 2.8 7.7 Capacity (L/Cu.Ft) 818/28.8 818/28.8 Net/Gross kg 205/235 210/240 Weight (approx) lbs 451.9/518.1 463.0/529.1 Interior mm 750*755*1460 750*755*1460 Dimension (W*D*H) in 29.5*29.7*57.5 29.5/29.7/57.5 Exterior mm 988*951*1980 988*951*1980 Dimension (W*D*H) in 38.9/37.4/78.0 38.9/37.4/78.0 Packing mm 1040*1060*2150 1040*1060*2150 Dimension (W*D*H) in 40.9/41.7/84.6 40.9/41.7/84.6 Container Load (20'/4U'/40'H) 10/22/22 10/22/22 10/22/22 High/Low Temperature Y Y Y Power Failure Y Y Y Sensor Error Y Y Y Low Battery <td colspan="2">Temp Range (°C)</td> <td>-10~-30</td> <td>-10~-30</td>	Temp Range (°C)		-10~-30	-10~-30	
Power Supply (V/Hz) 220-240/50 100-230/50/60 Power (W) 380 680 Electrical Current (A) 2.8 7.7 Capacity (L/Cu.Ft) 818/28.8 818/28.8 Net/Gross Weight (approx) kg 205/235 210/240 Interior Dimension (W*D*H) mm 750*755*1460 750*755*1460 Exterior Dimension (W*D*H) mm 29.5*29.7*57.5 29.5/29.7/57.5 Exterior Dimension (W*D*H) mm 988*951*1980 988*951*1980 Packing Dimension (W*D*H) mm 1040*1060*2150 1040*1060*2150 Packing Dimension (W*D*H) mm 1040*1060*2150 1040*1060*2150 Packing Dimension (W*D*H) mm 1040*1060*2150 1040*1060*2150 Packing Dimension (W*D*H) mm 10402/22 10/22/22 High/Low Temperature Y Y Remote Alarm Y Y Power Failure Y Y Low Battery N Y High Ambient Temperature Y Y Sensor Error	Controller		Microprocessor	Microprocessor	
Power (W) 380 680 Electrical Current (A) 2.8 7.7 Capacity (L/Cu.Ft) 818/28.8 818/28.8 Net/Gross kg 205/235 210/240 Weight (approx) lbs 451.9/518.1 463.0/529.1 Interior mm 750*755*1460 750*755*1460 Dimension (W*D*H) in 29.5*29.7*57.5 29.5/29.7/57.5 Exterior mm 988*951*1980 988*951*1980 Dimension (W*D*H) in 38.9/37.4/78.0 38.9/37.4/78.0 Packing mm 1040*1060*2150 1040*1060*2150 Dimension (W*D*H) in 40.9/41.7/84.6 40.9/41.7/84.6 Container Load (20/40/40'H) 10/22/22 10/22/22 10/22/22 High/Low Temperature Y Y Y Power Failure Y Y Y Power Failure Y Y Y Low Battery N Y Y Door Ajar Y Y Y Or Castor	Display		LCD	LED	
$ \begin{array}{c c c c c c } \hline Interval & I$	Power Supply (V/Hz)		220~240/50	100~230/50/60	
$\begin{array}{ c c c c c } \hline Capacity(L/Cu.Ft) & 818/28.8 & 818/28.8 \\ \hline Net/Gross & kg & 205/235 & 210/240 \\ \hline Net/Gross & kg & 451.9/518.1 & 463.0/529.1 \\ \hline Interior & mm & 750*755*1460 & 750*755*1460 \\ \hline Interior & mm & 29.5*29.7*57.5 & 29.5/29.7/57.5 \\ \hline Exterior & mm & 988*951*1980 & 988*951*1980 \\ \hline Exterior & mm & 988*951*1980 & 988*951*1980 \\ \hline Exterior & mm & 38.9/37.4/78.0 & 38.9/37.4/78.0 \\ \hline Packing & mm & 1040*1060*2150 & 1040*1060*2150 \\ \hline Dimension(W*D*H) & in & 38.9/37.4/78.6 & 40.9/41.7/84.6 \\ \hline Container Load (20'/40'/40'H) & 10/22/22 & 10/22/22 \\ \hline High/Low Temperature & Y & Y \\ \hline Remote Alarm & Y & Y \\ \hline Power Failure & Y & Y \\ \hline Sensor Error & Y & Y \\ \hline Low Battery & N & Y \\ \hline High Ambient Temperature & Y & Y \\ \hline Door Ajar & Y & Y \\ \hline Castor & Y & Y \\ \hline Porthole & Y & Y \\ \hline Porthole & Y & Y \\ \hline Porthole & Y & Y \\ \hline Drawers/Inner Doors & -/3 & -/3 \\ \hline Temperature Recorder & Optional & Optional \\ \hline USB Interface & Optional & Y \\ \hline Sensor Error & Y $	Power (W)		380	680	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Electrical Current (A)		2.8	7.7	
Net Or Os Dis 451.9/518.1 463.0/529.1 Interior mm 750*755*1460 750*755*1460 Dimension (W*D*H) in 29.5*29.7*57.5 29.5/29.7/57.5 Exterior mm 988*951*1980 988*951*1980 Dimension (W*D*H) in 38.9/37.4/78.0 38.9/37.4/78.0 Packing mm 1040*1060*2150 1040*1060*2150 Dimension (W*D*H) in 40.9/41.7/84.6 40.9/41.7/84.6 Container Load (20//40//40/H) 10/22/22 10/22/22 High/Low Temperature Y Y Remote Alarm Y Y Power Failure Y Y Sensor Error Y Y Low Battery N Y High Ambient Temperature Y Y Sensor Error Y Y Castor Y Y Sensor Error Y Y Porthole Y Y Dor Ajar Y Y Drawers/Inner Doors	Capacity (L/Cu.Ft)		818/28.8	818/28.8	
$ \frac{1}{100} + 1$		kg	205/235	210/240	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Weight (approx)	lbs	451.9/518.1	463.0/529.1	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Interior	mm	750*755*1460	750*755*1460	
Exterior Dimension (W*D*H) Initial 38.9/37.4/78.0 38.9/37.4/78.0 Packing Dimension (W*D*H) mm 1040*1060*2150 1040*1060*2150 Container Load (20'/40'/40'H) 40.9/41.7/84.6 40.9/41.7/84.6 Container Load (20'/40'/40'H) 10/22/22 10/22/22 High/Low Temperature Y Y Remote Alarm Y Y Power Failure Y Y Sensor Error Y Y Low Battery N Y High Ambient Temperature Y Y Door Ajar Y Y Castor Y Y Porthole Y Y Drawers/Inner Doors -/3 -/3 Temperature Recorder Optional Optional USB Interface Optional Y	Dimension (W*D*H)	in	29.5*29.7*57.5	29.5/29.7/57.5	
Packing Dimension (W*D*H)mm1040*1060*21501040*1060*2150in40.9/41.7/84.640.9/41.7/84.6Container Load (20'/40'/40'H)10/22/2210/22/22High/Low TemperatureYYRemote AlarmYYPower FailureYYSensor ErrorYYLow BatteryNYHigh Ambient TemperatureYYDoor AjarYYCastorYYSensor ErrorYYDoor AjarYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalYOptionalYY	Exterior	mm	988*951*1980	988*951*1980	
Packing Dimension (W*D*H)in40.9/41.7/84.640.9/41.7/84.6Container Load (20'/40'/40'H)10/22/2210/22/22High/Low TemperatureYYRemote AlarmYYPower FailureYYSensor ErrorYYLow BatteryNYHigh Ambient TemperatureYYDoor AjarYYCastorYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalY	Dimension (W*D*H)	in	38.9/37.4/78.0	38.9/37.4/78.0	
Dimension (W*D*H)in40.9/41.7/84.640.9/41.7/84.6Container Load (20'/40'/40'H)10/22/2210/22/22High/Low TemperatureYYRemote AlarmYYPower FailureYYSensor ErrorYYLow BatteryNYHigh Ambient TemperatureYYDoor AjarYYCastorYYSensor ErrorYYDoor AjarYYCastorYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalY		mm	1040*1060*2150	1040*1060*2150	
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InginizioneImage: ConstructionRemote AlarmYPower FailureYYYSensor ErrorYLow BatteryNHigh Ambient TemperatureYYYDoor AjarYCastorYYYSensor ErrorYPortholeYYYDrawers/Inner Doors-/3-/3-/3Temperature RecorderOptionalUSB InterfaceOptionalRS485 PortOptional	Container Load (20'/40'/40'H)		10/22/22	10/22/22	
Nemote AddminYPower FailureYYYSensor ErrorYLow BatteryNHigh Ambient TemperatureYYYDoor AjarYYYCastorYYYSensor ErrorYPortholeYYYDrawers/Inner Doors-/3-/3-/3Temperature RecorderOptionalUSB InterfaceOptionalRS485 PortOptional	High/Low Temperature		Y	Y	
Fower FundreYYSensor ErrorYYLow BatteryNYHigh Ambient TemperatureYYDoor AjarYYCastorYYSensor ErrorYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalY			Y	Y	
Sensor ErrorNHigh Ambient TemperatureYYYDoor AjarYCastorYYYSensor ErrorYPortholeYYYDrawers/Inner Doors-/3-/3-/3Temperature RecorderOptionalUSB InterfaceOptionalRS485 PortOptional	Power Failure		Y	Y	
Low BatteryYYHigh Ambient TemperatureYYDoor AjarYYCastorYYSensor ErrorYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalY	Sensor Error		Y	Y	
InglitAllibert Femperature Y Door Ajar Y Castor Y Sensor Error Y Porthole Y Drawers/Inner Doors -/3 Temperature Recorder Optional USB Interface Optional RS485 Port Optional	Low Battery		Ν	Y	
Castor Y Y Sensor Error Y Y Porthole Y Y Drawers/Inner Doors -/3 -/3 Temperature Recorder Optional Optional USB Interface Optional Y	High Ambient Temperature		Y	Y	
CastorYYSensor ErrorYYPortholeYYDrawers/Inner Doors-/3-/3Temperature RecorderOptionalOptionalUSB InterfaceOptionalOptionalRS485 PortOptionalY	Door Ajar		Y	Y	
Porthole Y Y Drawers/Inner Doors -/3 -/3 Temperature Recorder Optional Optional USB Interface Optional Optional RS485 Port Optional Y	Castor		Y	Y	
Drawers/Inner Doors -/3 -/3 Temperature Recorder Optional Optional USB Interface Optional Optional RS485 Port Optional Y	Sensor Error		Y	Y	
Temperature Recorder Optional Optional USB Interface Optional Optional RS485 Port Optional Y	Porthole		Y	Y	
USB Interface Optional Optional RS485 Port Optional Y	Drawers/Inner Doors		-/3	-/3	
RS485 Port Optional Y	Temperature Recorder		Optional	Optional	
R3463 FUIL	USB Interface		Optional	Optional	
Certification CE CE	RS485 Port		Optional	Y	
	Certification		CE	CE	