

30 A Lithium Smart ChargerINSTRUCTIONS



Please read this operating instruction carefully proper use.

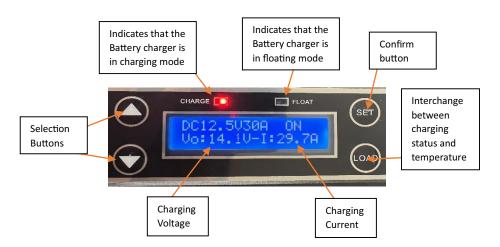
Please remember to read the "Safety Precautions" before you use to ensure the safety.

Common Issues and Solutions

Problem	1	Reason	Solution	
It doesn't	charge even though	The electrode is reversed	Correct the wiring method	
the charging clamp and battery are properly connected		Battery charging voltage is less than DC 6.5V	Try to repair the battery, if the repairing wasn't successful, you need to replace the battery.	
	Battery Error	Connection is not fastened properly	Check and re do the wiring correctly	
		Battery doesn't get charged	Try to repair the battery if it is a maintained one or else replace.	
Charging	Current Error	Selected charging current is too low	Choose a higher charging current	
errors		Connected incompatible electrical equipment	Check the battery voltage, the charger is only suitable for DC 12 V batteries.	
	Over Voltage	Connected incompatible electrical equipment	Disconnect all incompatible electrical appliances	
	Over Heat	The charger is in a compact and unsuitable environment	Clear the dust in air vents or remove the charger cover, Put the charger in a cool place, when the temperature drops to the required amount, the charger will automatically start.	
	Over – charged protection	The charging time exceeded 24 hours	Check the battery charging status regularly	
		Charging current is too low	Choose the appropriate charging current	
		A battery unit has been damaged	Replace the battery, Correctly handle the damaged battery	

Model Number	HT 1230
Input Voltage	AC 180V – 240V 50Hz
Input current	8A
Maximum current output	30A
Charging Voltage	Lithium Iron Phosphate Battery 14.4+- 0.05VDC
	Lead Acid Battery 13.8+- 0.05V DC
Battery type	
Working temperature	-10ºC - 40 ºC
Storage temperature	-20 ºC - 70 ºC
SIZE (Length*Width*Height)mm	285*127*65
Weight	1.8 Kg

1. Digital Display



- 2. First set the settings accurately through the digital display according to the type of your battery (Instructions given below) type. Then connect the battery charger to the battery and turn on the battery charger.
- 3. Battery Charger Status (Charging / Charged)



4. Power Supply Mode



		Turn on	the charger	and p	ress the	SET	button	once
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The First option that is displayed as DC 12.5 V is the power supply
mode to use your battery charger as a 12Vpower supply.

] Pr	ress the	SET	button	once	again	to	confirm
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- ☐ Then your battery charger will work as a 12 V power supply.
- Use the and buttons to select a current capacity within the range of 2 Amp to 30 Amp depending on how much current you want to draw out of the charger.'

5. Gel/ Flooded or SLA mode (Lead acid and other)



	Turn on t	he battery	charger	and p	press t	he SE 1	button	once.
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Use the	and	V	buttons to select between the modes unti
vou get the	e PbCh	r 12	2 V/1 mode on the display.

Press	SET	to con	firm t	he mod	le
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Once again use the 📥	and \	butto	ons to change between	GEL,
FLOODED and SLA acco	ording t	to vour	battery type.	

E.g.: if you have a Lead Acid battery, select Flooded and press SET
to confirm.

Use the	and	V	buttons to select a current capacity within
the range	of 2 Am	ıp	to 30 Amp depending on how much current
vou want	to draw	o	ut of the charger.

☐ Press **SET** to Confirm

6. Lithium Battery Charging mode



Turn on the battery charger and press the SET button once.
Use the and buttons to select between the modes unt
you get the LiChr3.2V*4 mode on the display.
Press SET to confirm the mode.
Use the A and V buttons to select a current capacity within
the range of 2 Amp to 30 Amp depending on how much current
you want to draw out of the charger.

Safety Precautions

☐ Press **SET** to Confirm

Pay attention to the following safety precautions to avoid electric shock, fire and personal injury, when using the charger.

	check the voltage supply and plate name on the charger indicate the same voltage.		
]	Make sure that there are no short circuits.		
]	The Red and Black clips should not touch each other when connected to the charger		
]	Put all cables in place after using and disconnect all cables during cleaning and maintenance.		
]	Keep the charger where children cannot reach		
]	If the product got damaged due to over voltage or any other means, do not re- use it for battery		
	charging.		
]	Avoid touching the DC side and AC side when the conductor is exposed.		
]	Make sure the charger and cables are dry before using and do not keep /store the charger in corrosive,		
	salty or humid environments.		
]	Ensure there is good ventilation and that the charger is at least 5 cm away from the objects around.		
	Do not use the charger in flammable or explosive gas containing environment such as the gasoline		

Keep the charger disconnected from power when not in use.

powered ship's bilge or propane stored tanks.

- ☐ This charger cannot recharge disposable batteries; it might cause the battery to explode.
- Do not use this charger to recharge lithium batteries without a BMS in them (Battery Management System) and Non-rechargeable batteries, as it might cause the battery charger to explode.

Output Current

When the charger is connected to the power supply, the output automatically will be in the default mode. It will automatically select the appropriate charging current output. The use also can manually select the charging mode

by pressing the **A** and **V** arrows to select a charging current within the range of 2Amp to 30 Amp.

MODE	L Number	HT 1230 Ac	
	Automatic	2A	
Automatic	Selection	20	
Selection	Maintenance	40.	
	Selection	12A	
	Regular Selection	20A	
	Fast Selection	30A	
Constant curre	nt charging current	2A to 30A	
Constant volta	ge charging	2A to 5A	
Floating curren	t Charging		
Floating curren	t charging	2.5A to 8A	
Constant-volta	ge charging current		

Fan Control Function

In the normal charging process, the fan will automatically turn on when the current is more than 5A and will automatically turn off when the current is less than 5A.

Minimum Starting Voltage

When the charger is connected with a battery, the battery needs to have a minimum voltage (or other DC power supply), of 6.5V DC or above.