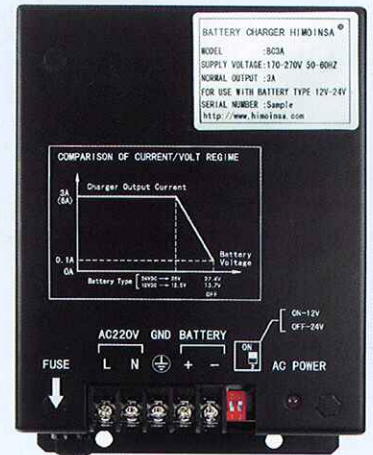


BC3A(6A) Intelligent Charger is a charging device designed especially for the startup battery of diesel engines

Main Characteristic:

1. Charge up according to the speciality of battery, as the charging mode is designed to be constant convertor mode, which means there is constant current charge when the terminal voltage of the battery is lower than the preset value. The charging current is derating with the rising of the battery voltage when the terminal voltage is higher and as it reaches the threshold voltage of the battery, the charging mode becomes trickle charge, while the charging current can only counteract self-discharge of the battery. Therefore, long time charge has no harm to the battery, namely the charger can not only maintain the full charge condition of the battery but also insure its service life. The charging process can be seen from the charge characteristic curve chart below.
2. Use switch power supply circuit, which makes the charger, has the wider working voltage, higher working efficiency and the thinner volume than the traditional ones.
3. Manual selecting of 12V and 24V battery. When using the 12V battery, please turn the switch on.
4. Perfect protection function: high-low voltage battery, overcurrent and open-circuit protection.



Caution: Wire connecting terminal and the FUSE plug are both high voltage electrified bodies. For the sake of safety, the charger must be installed in the closed box and installers must have the related professional knowledge!

Brief introduction for charging principle and function of the charger:

After linking the charge, power-on and it starts charging. When the terminal voltage of the battery is lower than the preset value, there is constant current charge. As the terminal voltage is higher, the charging current is derating with the rising of the battery voltage and as when it reaches the threshold voltage of the battery, the charging mode becomes trickle charge.

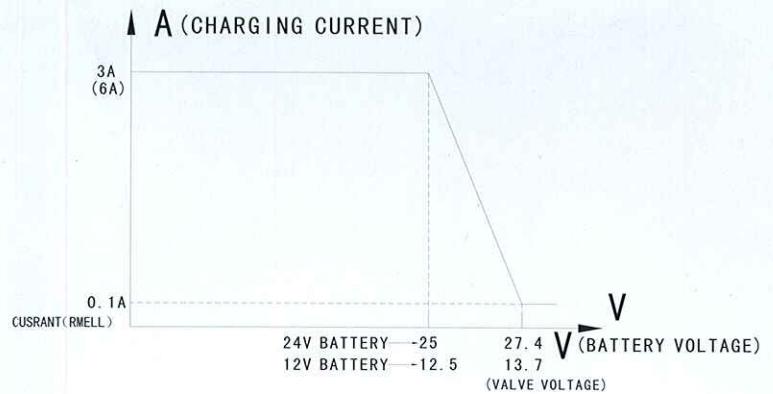
Note: To insure safety, the charger should be well earthed.

Technical parameter:

Type of Battery	12V	24V
Low Battery Voltage	<10.5V	<21V
Threshold Voltage of Trickle Charge	13.7V	27.4V
Survey Accuracy of Voltage	±1%	
Survey Accuracy of Currency	±5%	
Charging Current	3A(6A)	
Rated Input Voltage	230VAC(±20%)	
Frequency	45To65Hz	
Power	200VA	
Specified Temperature	-20°C~+50°C	
Contour size	165mm×110mm×50mm	

Note: when the charging current is lower than 0.5A, due to the differences of the producing process, the survey error of currency might be ± 20%.

The charge characteristic curve:



Typical connection plan:

