

■ Features:

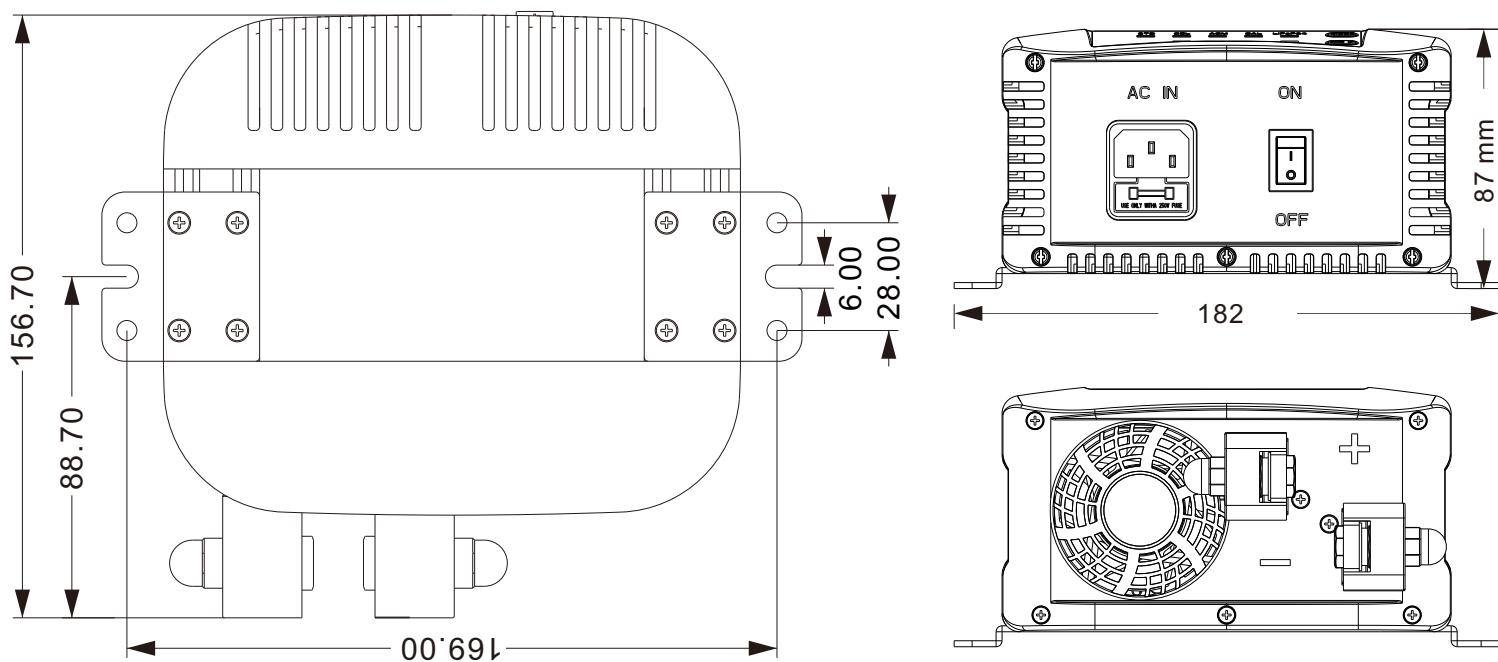
- Universal Ac input 90-140V/180V-260V
- Compatible with Lead Acid, Li-ion, Gel and AGM batteries
- High efficiency and high reliability
- Battery type choose
- Protection: Over Voltage /Over Temperature / Over Current
- E13/CE/RoHs approved



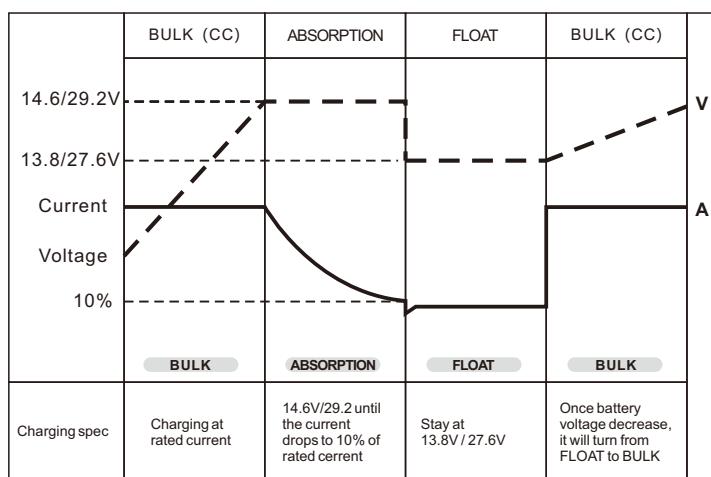
MODEL	HK2420B-110	HK2420B-220
Output	Battery Type	STD/GEL/AGM/CAL/LifePO4
	Standard Boost Charge Voltage	29.2V+/-0.2V
	Standard Float Charge Voltage	27.6V+/-0.2V
	Main Rated Current	20A
	Main Output	0-20A
	Battery Charging Mode	3 - stage charging capability (IYOU)
Input	Voltage Range	90-130VAC (refer to de-rating curve)
	Frequency Range	47-63Hz
	Efficiency (Typ.) at 230VAC	85%
	AC Current (Typ.)	3.12A
Protection	Battery Reverse	yes
	Over Voltage	yes
	Over Temperature	Battery Over Temperature 75°C
Function	LED Signal	Show the battery type and working status
	Charging Mode	By Touch switch to choose difference battery type
Environment	Working Temp.	0~60°C (refer to de-rating curve)
	Working Humidity	20~90%RH non-condensing
	Storage Temp., Humidity	0~+85°C, 20~90% RH
Safety & EMC	Safety Standards	LVD Directive 2014/35/EU
	E-mark	EN 61000-3-3:2013+A1:2019+A2:2021
	ROHs	RoHS Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU
	EMC Standards	EN IEC 55014-1:2021
		EN IEC 55014-2:2021
		EN IEC 6100-3-2:2019/A1:2021; EN 61000-3-3:2013/A2:2021;
Others	Dimension (W×H×D)	216.1×182×87mm
	Packing	Per Carton 6 pcs/14kg
Note	1. All parameters not specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. The charger is considered a component which will be installed into final equipment. 3. Before charging, make sure the battery charger and the battery specifications are compatible.	

■ Mechanical Drawings:(216.1×182×87mm)

MODEL:HK2420B



■ Charging Curve



■ Charging Setting

24V Charger Setting		
Battery Type	Bulk/ Absorption	Float
LiFePO4	29.2V	
AGM	29.6V	27.6V
Calcium	30.0V	27.6V
STD	28.8V	26.8V
GEL	28.4V	26.4V