

# HDS 系列双路直流电源切换装置

## 说明书



哈尔滨华新电力设备有限公司

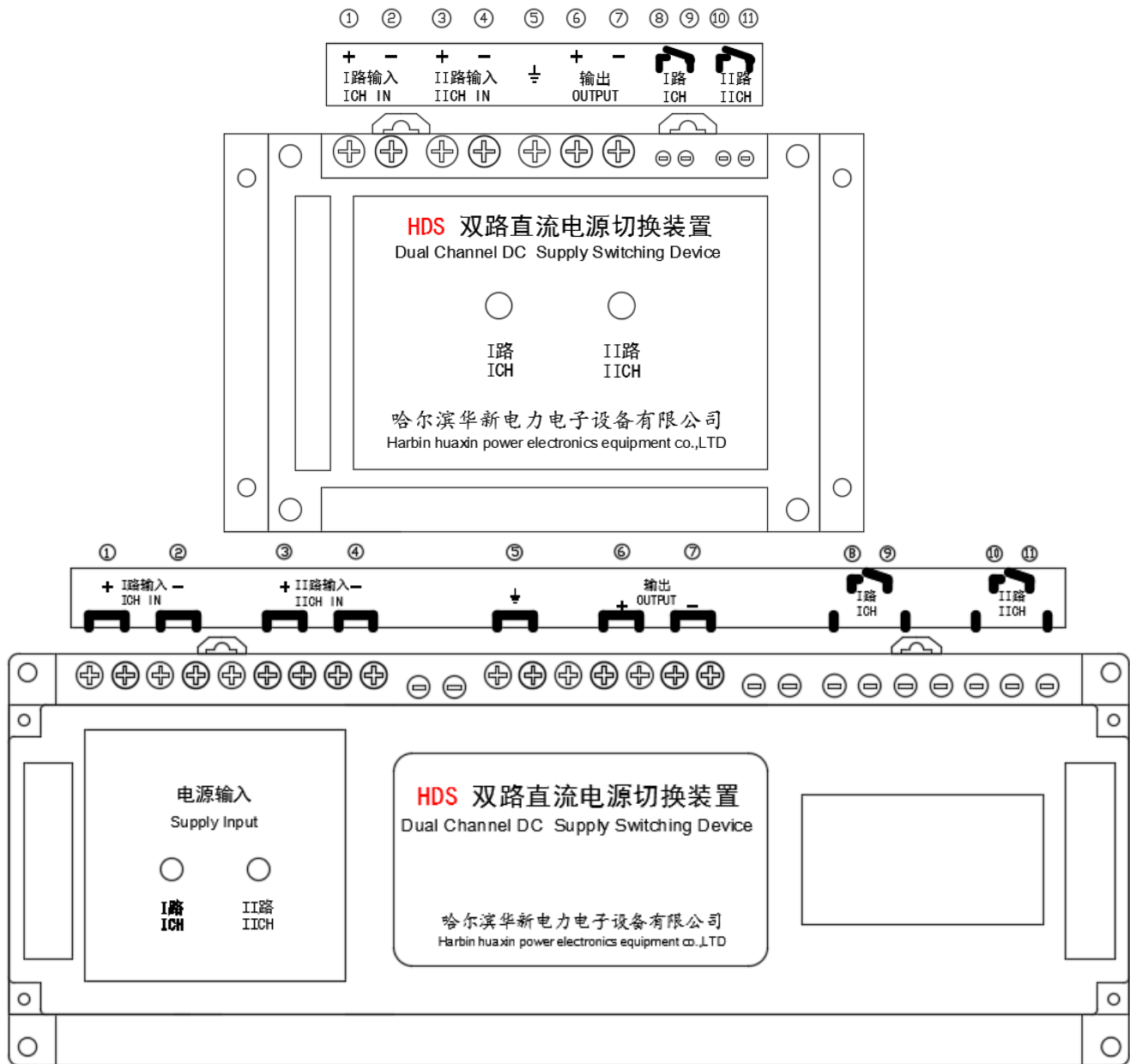
一、 用途：

双路直流电源切换装置具备冗余功能，能在主用电源故障或其他原因断开后，自动将备用电源投入使用，同时切断故障电源供电回路，避免电源倒灌造成供电回路毁坏，确保不间断设备正常工作。在主用电源重新恢复供电时，断开备用电源，投入主用电源，以实现工作电源自恢复功能。

二、 概述：

双路直流电源切换装置提供两路电源输入端子，对应配有 LED 指示，以便查看两组供电电源的工作状态。同时提供对应的开关量状态输出，在电源出现故障或其他原因断电时，提供开关量输出状态的转换。

三、 接线端子说明：



- ① I 路电源正
- ② I 路电源负
- ③ II 路电源正
- ④ II 路电源负
- ⑤ PE
- ⑥ 输出电源正
- ⑦ 输出电源负
- ⑧⑨ I 路继电器接点输出
- ⑩⑪ II 路继电器接点输出

## 四、技术指标

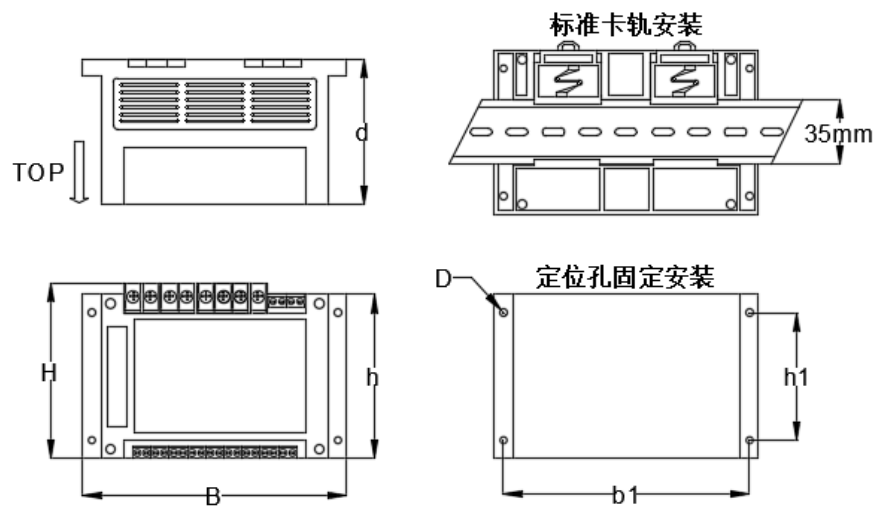
环境温度:	-25℃ — +50℃
相对湿度:	5% — 95%
大气压:	80KPa — 110 KPa
输入电压:	DC24V, DC48, DC110, DC220V (可选)
输入额定电流:	5A
输出电压:	等同于输入电压
输出额定电流:	5A, 10A, 15A (可选)
开关量输出类型:	继电器接点
开关量输出容量:	240VAC 5A 28VDC 5A

## 五、装置的选型

- HDS-24-5A/15A** : 输入电压为DC 24V输出额定电流5A或15A
- HDS-48-5A/15A** : 输入电压为DC 48V输出额定电流5A或15A
- HDS-110-5A/15A** : 输入电压为DC110V输出额定电流5A或15A
- HDS-220-5A/15A** : 输入电压为DC220V输出额定电流5A或15A

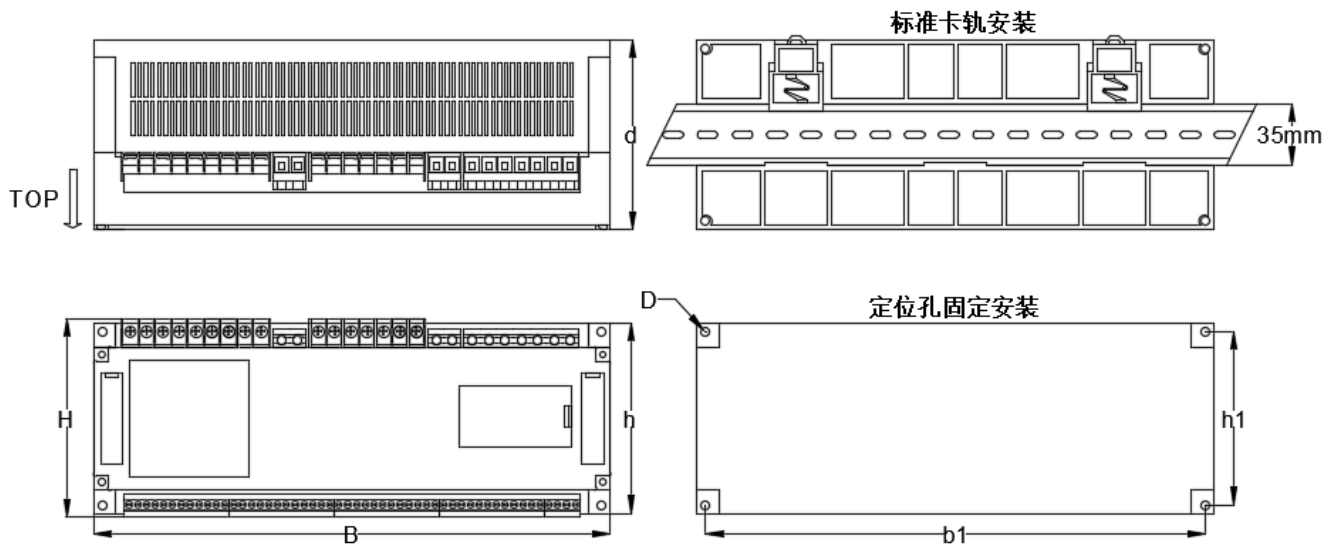
## 六、外形尺寸及安装

5A 尺寸图表:



外形及开孔尺寸表							单位: mm
型号及部件	B	H	h	d	D	b1	h1
HDS-5A主机	145	96	90	72	Ø4	135	70

15A 尺寸图表:



外形及开孔尺寸表							单位: mm
型号及部件	B	H	h	d	D	b1	h1
HDS-15A主机	300	115	110	110	Ø5	290	100

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## **HDS** Series Dual channel DC supply switching device

# Instructions



**Harbin Huaxin Power Electronic Equipment Co.,LTD**

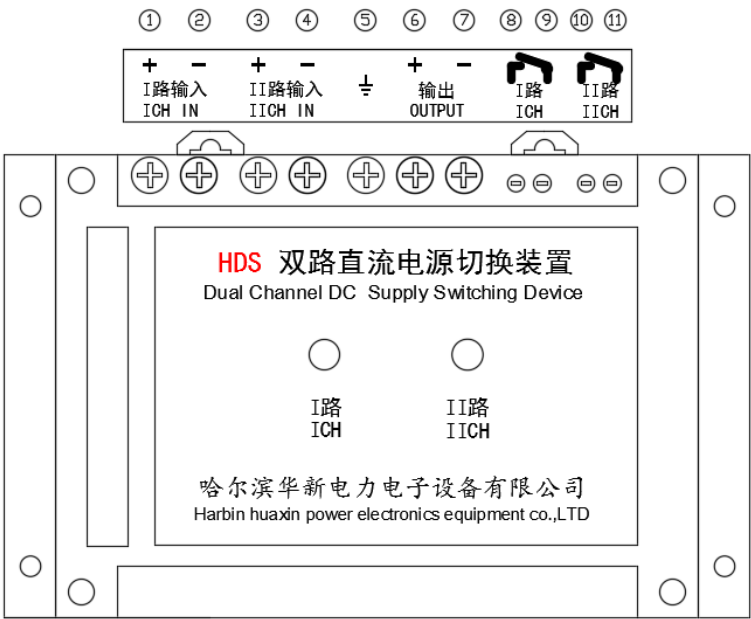
1. use:

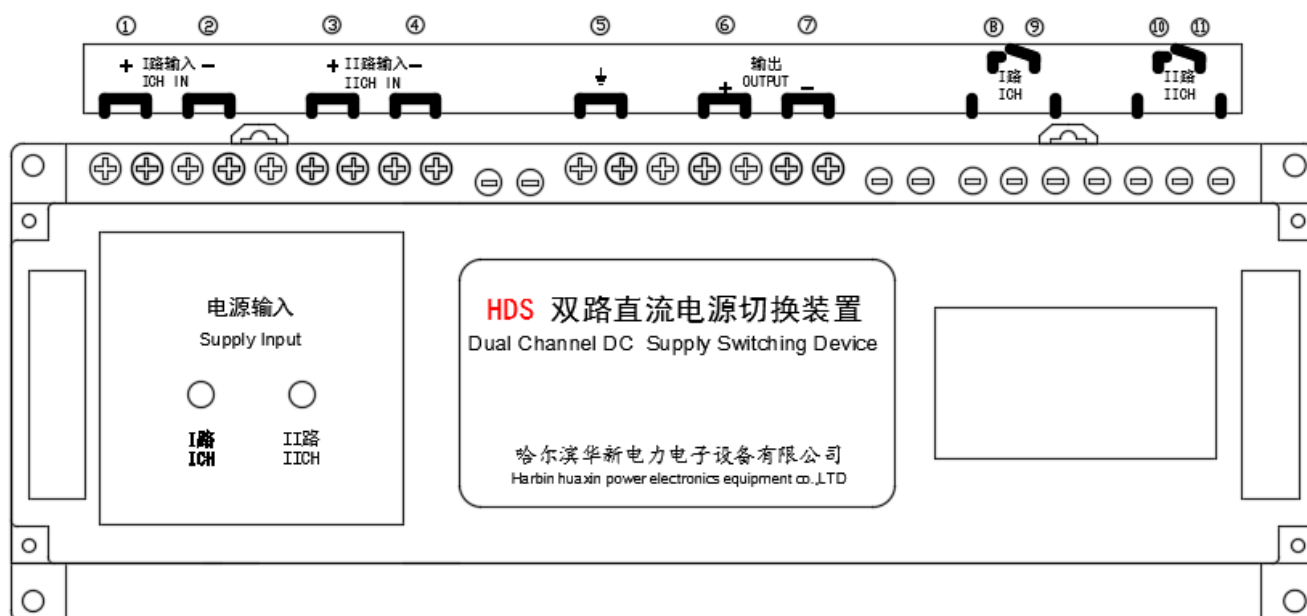
Dual channel DC supply switching device with redundancy, after the main power failure or other reasons disconnected, automatic standby power supply, while cutting off the fault power supply circuit, to avoid power supply damage caused by the back of the power supply circuit, make sure the uninterrupted device is working properly. In the main power supply to restore power, disconnect the backup power supply, into the main power supply, to achieve self-recovery power supply function.

2. overview:

Dual channel DC supply switching device provide two power input terminals, corresponding with LED indication, in order to check the working status of two groups of power supply. While providing the corresponding switch status output, in the event of power failure or other causes of power failure, to provide switching output status of the switch.

3. the terminal Description:





- ① I power supply positive
- ② I power supply negative
- ③ II power supply positive
- ④ II power supply negative
- ⑤ PE
- ⑥ Output power positive
- ⑦ Output power negative
- ⑧⑨ I relay contact output
- ⑩⑪ II relay contact output

#### 4. technical indicators

Ambient temperature :	-25°C -- +50°C
Relative humidity :	5% -- 95%
Atmospheric pressure :	80KPa -- 110 KPa
Input voltage :	DC24V,DC48 , DC110 , DC220V ( 可选 )
Enter the rated current :	5A/15A ( 可选 )
The output voltage :	Equivalent to the input voltage
Output rated current :	Equivalent to the input current
Switching output type :	Relay contact



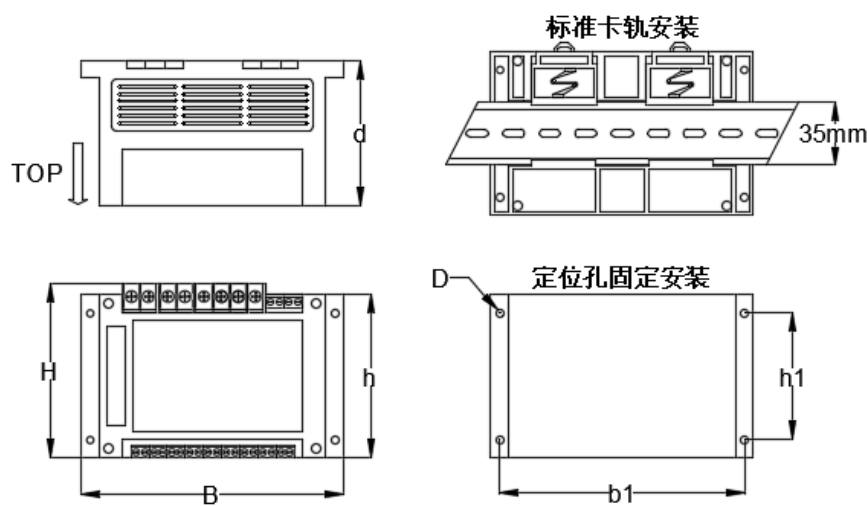
Switch output capacity :                    240VAC   5A   /   28 VDC   5A

5. the device selection

- HDS-24-5A/15A : Input voltage is DC 24V output rated current 5A or 15A
- HDS-48-5A/15A : Input voltage is DC 48V output rated current 5A or 15A
- HDS-110-5A/15A : Input voltage is DC 110V output rated current 5A or 15A
- HDS-220-5A/15A : Input voltage is DC 220V output rated current 5A or 15A

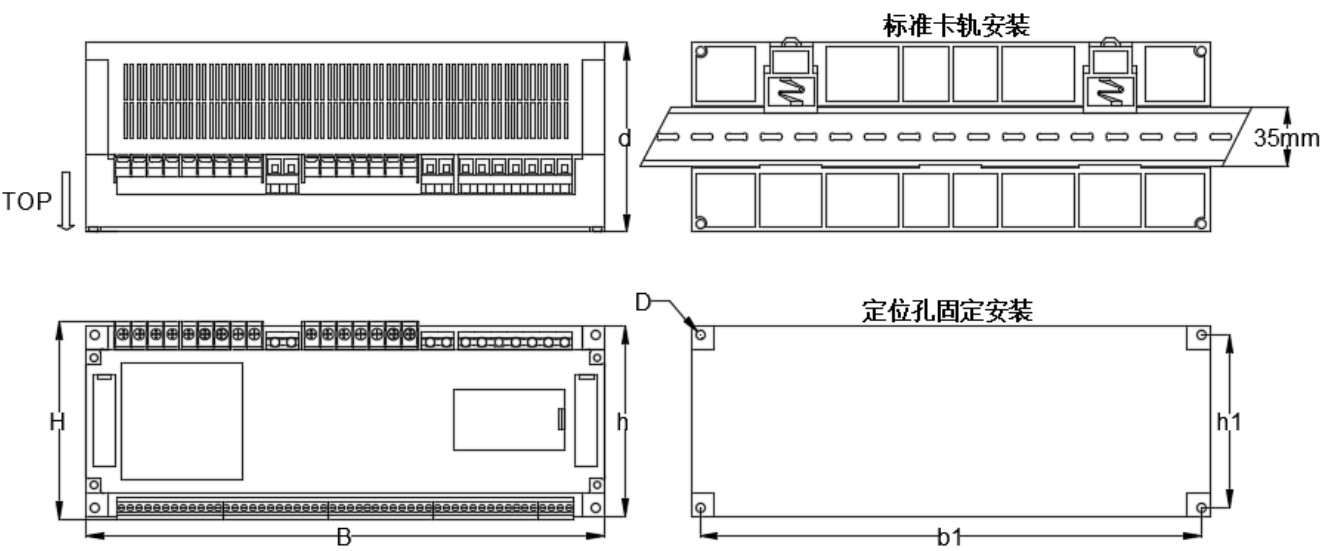
6. Outline dimensions and installation:

5A Dimensional chart:



List of dimensions and opening							Unit: mm
Model and parts	B	H	h	d	D	b1	h1
HDS-5A Host	145	96	90	72	Ø4	135	70

15A Dimensional chart:



List of dimensions and opening							Unit: mm
Model and parts	B	H	h	d	D	b1	h1
HDS-15A Host	300	115	110	110	Ø5	290	100

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