

Typical Performance

FEATURES

- Wide Input voltage range
- Low ripple
- 0~±6000V Continuously adjustable output voltage
- External DC 0~5V can adjust and control output voltage
- With +5V reference source, external potentiometer can adjust and control the output voltage
- Over current protect,short circuit protect
- 10KV high voltage wire
- Metal case
- Size:76*64*24mm(L*W*H)
- Weight: 255g



Technical parameter

Input voltage(Vdc)	5V(4.5~7V),12V(11~16V),24V(21~28V)
Output voltage(Vdc)	0~±1000V,0~±3000V,0~±5000V,0~±6000V
Output current	1mA~30mA
Output ripple	≤10mVp-p~50mVp-p(full input,full load)
Load adjust rate	≤0.5%(Input voltage is within the nominal range,output load 0%~100%)
Output stability	≤0.5%(Input voltage is within the nominal range,output load 0%~100%)
Temperature adjust rate	≤0.1%℃
Output voltage regulation mode	Voltage regulation, potentiometer regulation
Reference voltage output	+5Vdc
Protect	Over current protect,short circuit protect
Working temperature	-20~+65℃
Storage temperature	-50~+95℃
Temperature humidity	20%~90%RH

Product Program

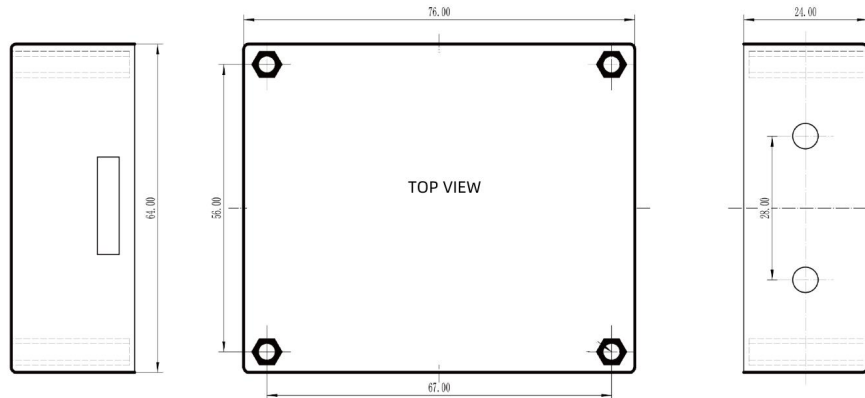
PART #	Input voltage range	Output voltage / Ripple/Current			
		Vout	Ripple	Output current	Output power

LHE10-12S1000P	12V(11~16V)	0~+1000V	≤100mV	10mA	10W
LHE10-12S1000N		0~-1000V	≤100mV	10mA	10W
LHE20-12S1000P		0~+1000V	≤100mV	20mA	20W
LHE20-12S1000N		0~-1000V	≤100mV	20mA	20W
LHE10-12S2000P		0~+2000V	≤200mV	5mA	10W
LHE10-12S2000N		0~-2000V	≤200mV	5mA	10W
LHE20-12S2000P		0~+2000V	≤200mV	10mA	20W
LHE20-12S2000N		0~-2000V	≤200mV	10mA	20W
LHE3-12S3000P		0~+3000V	≤300mV	1mA	3W
LHE3-12S3000N		0~-3000V	≤300mV	1mA	3W
LHE6-12S3000P		0~+3000V	≤300mV	2mA	6W
LHE6-12S3000N		0~-3000V	≤300mV	2mA	6W
LHE15-12S3000P		0~+3000V	≤300mV	5mA	15W
LHE15-12S3000N		0~-3000V	≤300mV	5mA	15W
LHE5-12S5000P		0~+5000V	≤500mV	1mA	5W
LHE5-12S5000N		0~-5000V	≤500mV	1mA	5W
LHE10-12S5000P		0~+5000V	≤500mV	2mA	10W
LHE10-12S5000N		0~-5000V	≤500mV	2mA	10W
LHE15-12S5000P		0~+5000V	≤500mV	3mA	15W
LHE15-12S5000N		0~-5000V	≤500mV	3mA	15W
LHE6-12S6000P		0~+6000V	≤600mV	1mA	6W
LHE6-12S6000N		0~-6000V	≤600mV	1mA	6W
LHE12-12S6000P		0~+6000V	≤600mV	2mA	12W
LHE12-12S6000N		0~-6000V	≤600mV	2mA	12W
LHE18-12S6000P	0~+6000V	≤600mV	3mA	18W	
LHE18-12S6000N	0~-6000V	≤600mV	3mA	18W	
LHE10-24S1000P	24V(21~28V)	0~+1000V	≤100mV	10mA	10W
LHE10-24S1000N		0~-1000V	≤100mV	10mA	10W
LHE20-24S1000P		0~+1000V	≤100mV	20mA	20W
LHE20-24S1000N		0~-1000V	≤100mV	20mA	20W
LHE30-24S1000P		0~+1000V	≤100mV	30mA	30W
LHE30-24S1000N		0~+1000V	≤100mV	30mA	30W

LHE30-24S1500P		0~+2000V	≤100mV	20mA	30W
LHE30-24S1500N		0~-2000V	≤100mV	20mA	30W
LHE10-24S2000P		0~+2000V	≤200mV	5mA	10W
LHE10-24S2000N		0~-2000V	≤200mV	5mA	10W
LHE20-24S2000P		0~+2000V	≤200mV	10mA	20W
LHE20-24S2000N		0~-2000V	≤200mV	10mA	20W
LHE3-24S3000P		0~+3000V	≤300mV	1mA	3W
LHE3-24S3000N		0~-3000V	≤300mV	1mA	3W
LHE6-24S3000P		0~+3000V	≤300mV	2mA	6W
LHE6-24S3000N		0~-3000V	≤300mV	2mA	6W
LHE15-24S3000P		0~+3000V	≤300mV	5mA	15W
LHE15-24S3000N		0~-3000V	≤300mV	5mA	15W
LHE5-24S5000P		0~+5000V	≤500mV	1mA	5W
LHE5-24S5000N		0~-5000V	≤500mV	1mA	5W
LHE10-24S5000P		0~+5000V	≤500mV	2mA	10W
LHE10-24S5000N		0~-5000V	≤500mV	2mA	10W
LHE15-24S5000P		0~+5000V	≤500mV	3mA	15W
LHE15-24S5000N		0~-5000V	≤500mV	3mA	15W
LHE6-24S6000P		0~+6000V	≤600mV	1mA	6W
LHE6-24S6000N		0~-6000V	≤600mV	1mA	6W
LHE12-24S6000P		0~+6000V	≤600mV	2mA	12W
LHE12-24S6000N		0~-6000V	≤600mV	2mA	12W
LHE18-24S6000P		0~+6000V	≤600mV	3mA	18W
LHE18-12S6000N		0~-6000V	≤600mV	3mA	18W

customized accepted ,pls contact sales for details

Mechanical Dimension



UNIT:mm

Tolerance: ± 0.5 mm

Noted:

Cable:

+HV/-HV: High voltage output

Vref: Potentiometer voltage regulation +5V reference

Adj: Voltage regulator input positive terminal(0~5V)

COM: Voltage regulator input negative terminal

I_{mon}: Current sampling output (0~5V)

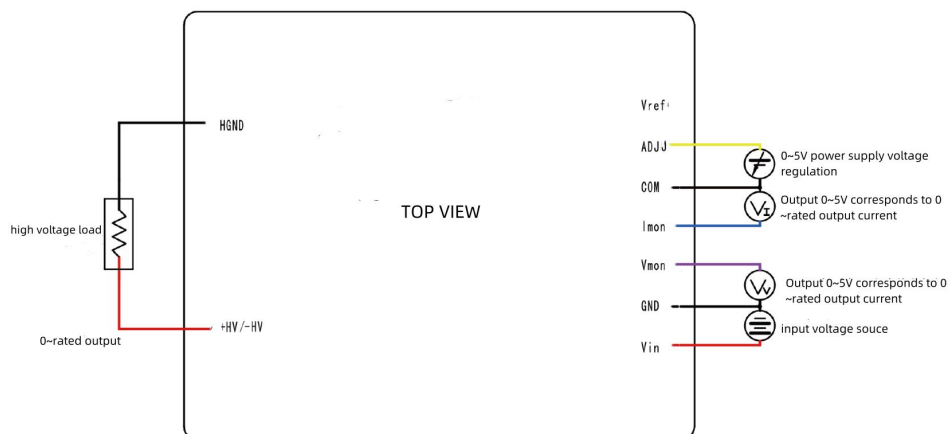
V_{mon}: Voltage sampling output (0~5V)

GND: Input negative electrode

V_{in}: Input positive

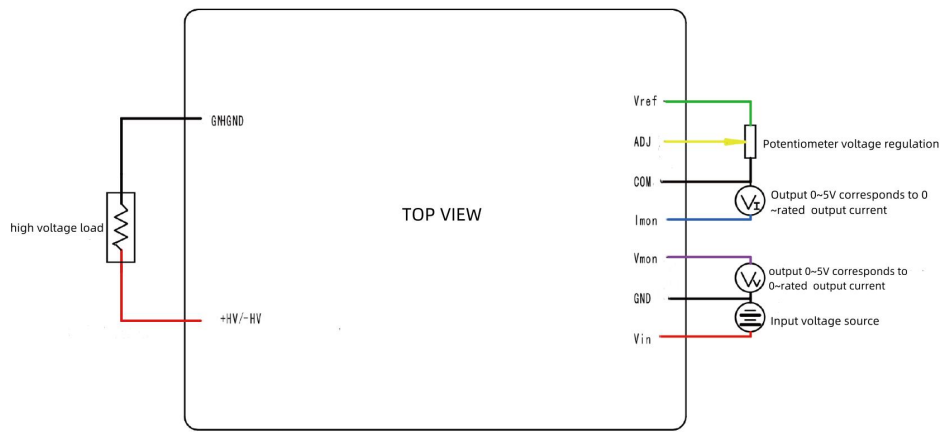
Connection mode

1. Voltage regulation connect



Note: The stability of the external control voltage directly affects the stability and linearity of the output high voltage, so be sure to ensure the quality of the external control voltage signal

2. Potentiometer voltage regulation connect



Note: The external potentiometer can choose 5K,10K,20K potentiometer,10K multi-turn potentiometer is recommended.