

Typical Performance

FEATURES

- Wide Input voltage range
- Low ripple
- 0~+/-15000V 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
- Metal case
- Wire connected
- Size:128*40*24mm(L*W*H)
- Weight: 220g



Technical parameter

Input voltage(Vdc)	12V(11~16V),24V(21~28V)
Output voltage(Vdc)	0~+/-5000V,0~+/-8000V,0~+/-10000V,0~+/-15000V
Ouput current	1mA~3mA
Output ripple	≤0.08%(full input,full load)
Current sampling output	DC 0 to 5V corresponds to 0 to rated high voltage output current
Voltage sampling output	DC 0 to 5V corresponds to 0 to rated high voltage output voltage
Load adjust rate	≤1%(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%)
Line adjust rate	≤0.5%
Output voltage regulation mode	Voltage regulation, potentiometer regulation
Reference voltage output	+5Vdc
Protect	Short circuit protect,over current protect
Control	High level turns off, low level open
Status display output	Output 5VDC voltage signal, can be connected to LED indicator
Working temperature	-20~+65℃
Storage temperature	-50~+95℃
Temperature stability	≤40PPM℃

Temperature humidity		20%~90%RH				
Under voltage protect						
Product Program						
PART #	Input voltage range	Output voltage / Ripple/Current				
		Vout	Ripple	Output current	Input current	
					No load	Full load
LHQ-12S5000P	12V（11~16V）	0~+5000V	0.008%~0.02%	0~3mA	<120mA	<2A
LHQ-12S5000N		0~-5000V	0.008%~0.02%	0~3mA	<120mA	<2A
LHQ-12S8000P		0~+8000V	0.01%~0.03%	0~2mA	<150mA	<2.2A
LHQ-12S8000N		0~-8000V	0.01%~0.03%	0~2mA	<150mA	<2.2A
LHQ-12S10000P		0~+10000V	0.015%~0.04%	0~1.5mA	<200mA	<2A
LHQ-12S10000N		0~-10000V	0.015%~0.04%	0~1.5mA	<200mA	<2A
LHQ-12S12000N		0~+12000V	0.02%~0.08%	0~1mA	<250mA	<2A
LHQ-12S12000P		0~-12000V	0.02%~0.08%	0~1mA	<250mA	<2mA
LHQ-12S15000P		0~+15000V	0.02%~0.08%	0~1mA	<250mA	<2A
LHQ-12S15000N		0~-15000V	0.02%~0.08%	0~1mA	<250mA	<2A
LHQ-24S5000P	24V(21~28V)	0~+5000V	0.008%~0.02%	0~3mA	<120mA	<1A
LHQ-24S5000N		0~-5000V	0.008%~0.02%	0~3mA	<120mA	<1A
LHQ-24S8000P		0~+8000V	0.01%~0.03%	0~2mA	<150mA	<1.1A
LHQ-24S8000N		0~-8000V	0.01%~0.03%	0~2mA	<150mA	<1.1A
LHQ-24S10000P		0~+10000V	0.015%~0.04%	0~1.5mA	<200mA	<1A
LHQ-24S10000N		0~-10000V	0.015%~0.04%	0~1.5mA	<200mA	<1A
LHQ-24S15000P		0~+15000V	0.02%~0.08%	0~1mA	<250mA	<1A
LHQ-24S15000N		0~-15000V	0.02%~0.08%	0~1mA	<250mA	<1A
customized accepted ,pls contact sales for details						
Mechanical Dimension						



Pin Assignment

Remark:

Vref: Reference voltage output +5VDC

ADJ: High voltage regulation signal input 0~5VDC

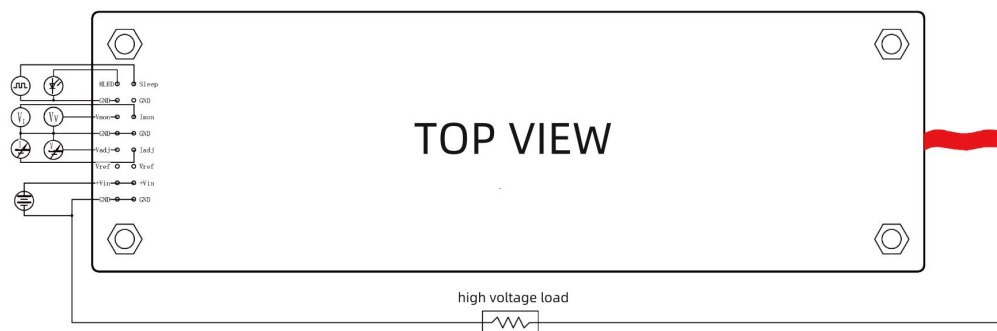
Vmon: Voltage sampling output 0~5VDC

Imon: Current sampling output 0~5VDC

Iadj: Current adjust signal input 0~5VDC

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



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