

Features

- Universal AC input 90~305VAC
- High efficiency up to 94%
- **Fanless design**, cooling by free air convection
- **Ultra-wide operating temperature**
- Meet 6kV surge immunity level
- Withstand 10G vibration test
- Operating altitude up to 5000 meters
- Protections:
Short circuit / Overload / Over voltage / Over temperature
- Multiple models for choice:
A-Type: **IP65 rated**, Vo and Io can be adjusted through internal potentiometer
Blank-Type(option): **IP68 rated**, Vo and Io fixed
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, high salt or outdoor environment
- **6 years warranty**

IP68 IP65

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	HEP-100	HEP-150	HEP-185
AC input voltage range	85~264VAC, 120~370VDC		
AC inrush current (max.)	Cold start, 60A at 230VAC	Cold start, 65A at 230VAC	Cold start, 65A at 230VAC
DC adjustment range	Vo: -10%~+10% by VR (A-Type only) Io: 60%~100% of rated output current adjustment by VR(A-Type only)		Vo: -10%~+10% by VR(A-Type only) Io: 50%~100% of rated output current by VR(A-Type only)
Overload protection	105%~125% constant current limiting, auto-recovery		
Over voltage protection	108%~135% rated output voltage		
Setup, rise, hold up time	500ms, 50ms, 16ms at full load and 230VAC		
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC		
Working temperature	-55~+70°C (refer to output derating curve)		
Safety standards	UL62368-1, EAC TP TC 004 approved		
EMC standards	BS EN/EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020		
Connection	Input	UL rated, SJTW 18AWGx3C(30cm)	
	Output	SJTW 14AWGx2C(30cm)	
Dimension (LxWxH)(mm)	220x 68x 38.8	228x 68x 38.8	228x 68x 38.8

100W HEP-100

Model No.	Output	Tol.	R&N	Effi.
HEP-100-12[A]	12V, 0~8.34A	±2.0%	120mV	92%
HEP-100-15[A]	15V, 0~6.67A	±1.5%	150mV	92%
HEP-100-24[A]	24V, 0~4.00A	±1.0%	150mV	93%
HEP-100-36[A]	36V, 0~2.65A	±1.0%	200mV	93%
HEP-100-48[A]	48V, 0~2.00A	±1.0%	200mV	93%
HEP-100-54[A]	54V, 0~1.77A	±1.0%	200mV	93%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)

150W HEP-150

Model No.	Output	Tol.	R&N	Effi.
HEP-150-12[A]	12V, 0~12.5A	±2.5%	150mV	91.5%
HEP-150-15[A]	15V, 0~10.0A	±2.0%	150mV	92.0%
HEP-150-24[A]	24V, 0~6.30A	±1.0%	150mV	93.0%

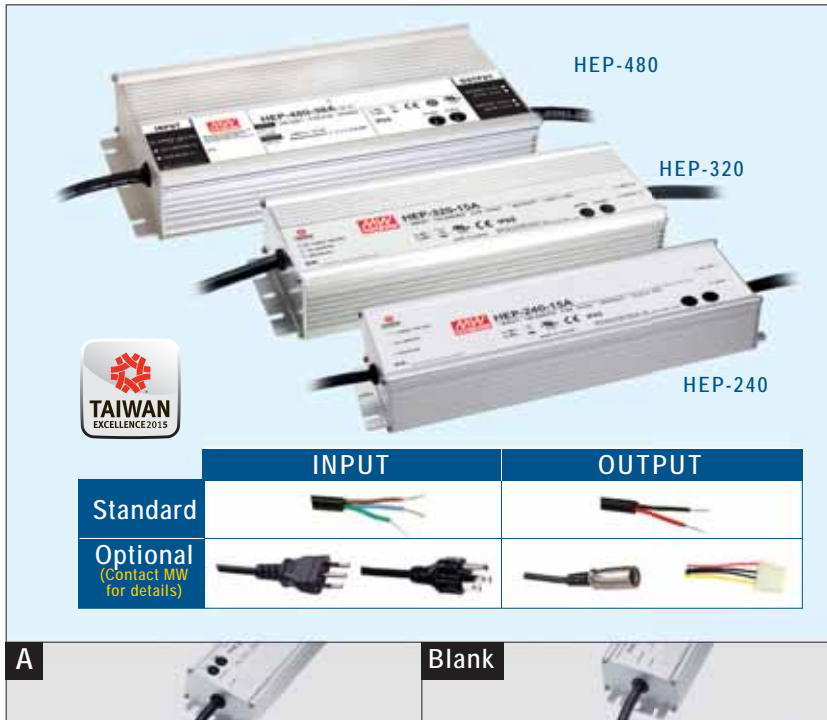
Model No.	Output	Tol.	R&N	Effi.
HEP-150-36[A]	36V, 0~4.20A	±1.0%	200mV	93.5%
HEP-150-48[A]	48V, 0~3.20A	±1.0%	200mV	94.0%
HEP-150-54[A]	54V, 0~2.80A	±1.0%	200mV	94.0%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)

185W HEP-185

Model No.	Output	Tol.	R&N	Effi.
HEP-185-12[A]	12V, 0~13.0A	±2.5%	150mV	91.5%
HEP-185-15[A]	15V, 0~11.5A	±2.0%	150mV	92.0%
HEP-185-24[A]	24V, 0~7.80A	±1.0%	150mV	93.5%
HEP-185-36[A]	36V, 0~5.20A	±1.0%	200mV	93.5%
HEP-185-48[A]	48V, 0~3.90A	±1.0%	200mV	94.0%
HEP-185-54[A]	54V, 0~3.45A	±1.0%	200mV	94.0%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)



Features

- Universal AC input **90~305VAC**
- High efficiency up to **95%**
- **Fanless design**, cooling by free air convection
- **Ultra-wide operating temperature**
- Meet **6kV** surge immunity level
- Withstand **10G** vibration test
- Operating altitude up to **5000** meters
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Multiple models for choice:
 - A-Type: **IP65 rated**, Vo and Io can be adjusted through internal potentiometer
 - Blank-Type(option): **IP68 rated**, Vo and Io fixed
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, high salt or outdoor environment
- **6 years warranty**

IP68 IP65



General Specification (Please refer to www.meanwell.com for detail spec.)

Model No.	HEP-240	HEP-320	HEP-480
AC input voltage range	85~264VAC, 120~370VDC		
AC inrush current (max.)	Cold start, 75A at 230VAC	Cold start, 70A at 230VAC	Cold start, 35A at 230VAC
DC adjustment range	Vo: -6%~+6% by VR (HEP-240 A-Type only) Io: 50%~100% of rated output current by VR (A-Type only)	Vo: -10%~+10% by VR (HEP-320 A-Type only) Io: 50%~100% of rated output current by VR (A-Type only)	Vo: -15%~+5% by VR Io: 50%~100% of rated output current by VR
Overload protection	105%~125% hiccup mode, auto-recovery		105%~125% constant current limiting, auto-recovery
Over voltage protection	108%~135% rated output voltage		
Setup, rise, hold up time	500ms, 80ms, 15ms at full load and 230VAC		500ms, 80ms, 16ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC		
Working temperature	-55~+70°C (refer to output derating curve)		-55~+65°C (refer to output derating curve)
Safety standards	UL62368-1, EAC TP TC 004 approved		
EMC standards	BS EN/EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020		
Connection	Input	UL rated, SJTW 18AWGx3C (30cm)	
	Output	SJTW 14AWGx2C (30cm)	
Dimension (LxWxH)(mm)	244.2x 68x 38.8	252x 90x 43.8	262x 125x 43.8

240W HEP-240

Model No.	Output	Tol.	R&N	Effi.
HEP-240-12[A]	12V, 0~16.0A	±2.5%	150mV	90.0%
HEP-240-15[A]	15V, 0~15.0A	±2.0%	150mV	90.0%
HEP-240-24[A]	24V, 0~10.0A	±1.0%	150mV	92.5%
HEP-240-36[A]	36V, 0~6.70A	±1.0%	250mV	92.5%
HEP-240-48[A]	48V, 0~5.00A	±1.0%	250mV	93.0%
HEP-240-54[A]	54V, 0~4.45A	±1.0%	350mV	93.5%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)

320W HEP-320

Model No.	Output	Tol.	R&N	Effi.
HEP-320-12[A]	12V, 0~22.0A	±3.0%	150mV	91.0%
HEP-320-15[A]	15V, 0~19.0A	±2.0%	150mV	92.5%

Model No.	Output	Tol.	R&N	Effi.
HEP-320-24[A]	24V, 0~13.34A	±1.0%	150mV	94.0%
HEP-320-36[A]	36V, 0~8.90A	±1.0%	250mV	94.0%
HEP-320-48[A]	48V, 0~6.70A	±1.0%	250mV	94.5%
HEP-320-54[A]	54V, 0~5.95A	±1.0%	350mV	95.0%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)

480W HEP-480

Model No.	Output	Tol.	R&N	Effi.
HEP-480-24[A]	24V, 0~20A	±1.0%	200mV	94.0%
HEP-480-36[A]	36V, 0~13.3A	±1.0%	250mV	95.0%
HEP-480-48[A]	48V, 0~10A	±1.0%	250mV	94.5%
HEP-480-54[A]	54V, 0~8.9A	±1.0%	350mV	95.0%

□ = A or Blank, A: standard model(IP65), Blank: optional model(IP68)



Features

- Universal AC input **90~305VAC**
- Built-in active PFC function
- No load power consumption <0.5W at remote OFF (HEP-600)
- High efficiency up to **96%**
- **Fanless design**, cooling by free air convection
- **Ultra-wide operating temperature**
- Withstand **10G** vibration test
- Operating altitude up to **5000** meters
- Protections: Short circuit / Overload / Over voltage / Over temperature
- **Vo and Io can be adjusted through internal potentiometer**
- Suitable for general industrial applications at high/low temperature, high dust, high moisture, high vibration, high salt or outdoor environment
- **Built-in PMBus protocol/ optional CANBus protocol (HEP-1000)**
- **Output voltage and current programmable(HEP-1000)**
- Wiring type with IP67 rating (HEP-1000-W)
- **6 years warranty**

IP67 **PMBus**
(HEP-1000)

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	HEP-600	HEP-1000
AC input voltage range	85~264VAC, 120~370VDC	90~305VAC; 250~431VDC
AC inrush current (max.)	Cold start, 70A at 230VAC	Cold start, 40A at 230VAC
DC adjustment range	Vo: -15%~+5% by potentiometer Io: 50%~100% of rated output current by VR	Vo: 0%~+25% by VR
Overload protection	105%~125% constant current limiting, auto-recovery	
Over voltage protection	108%~135% rated output voltage	125%~145% rated output voltage
Setup, rise, hold up time	500ms, 80ms, 15ms at full load and 230VAC	1800ms, 80ms, 12ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3.75kVAC, I/P-FG: 2kVAC, O/P-FG: 1.5kVAC	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 1.25kVAC
Working temperature	-40~+70°C (refer to output derating curve)	
Safety standards	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved; design refer to EN61558-1, EN60335-1(by request)
EMC standards	BS EN/EN55032 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EAC TP TC 020	
Connection	Input	3+4P / 11mm pitch terminal block with cover
	Output	
Dimension (LxWxH)(mm)	280x 144x 48.5	310x 144x 48.5

600W

HEP-600

Model No.	Output	Tol.	R&N	Effi.
HEP-600-12	12V, 0~40A	±3.0%	150mV	93.0%
HEP-600-15	15V, 0~36A	±2.0%	150mV	94.0%
HEP-600-20	20V, 0~28A	±1.5%	150mV	95.0%
HEP-600-24	24V, 0~25A	±1.0%	150mV	95.0%
HEP-600-30	30V, 0~20A	±1.0%	200mV	95.5%
HEP-600-36	36V, 0~16.7A	±1.0%	250mV	95.5%
HEP-600-42	42V, 0~14.3A	±1.0%	250mV	96.0%

Model No.	Output	Tol.	R&N	Effi.
HEP-600-48	48V, 0~12.5A	±1.0%	250mV	96.0%
HEP-600-54	54V, 0~11.2A	±1.0%	350mV	96.0%

1000W

HEP-1000

Model No.	Output	Tol.	R&N	Effi.
HEP-1000 24 <input type="checkbox"/>	24V, 0~42A	±1.0%	200mV	95%
HEP-1000-48 <input type="checkbox"/>	48V, 0~21A	±1.0%	250mV	96%
HEP-1000-100 <input type="checkbox"/>	100V, 0~10A	±1.0%	500mV	96%

= Blank or W; Blank:terminal type, W: wiring type with IP67

HEP-1000 Series functions

I/O TYPE	Function type	Power Supply Function	Charging Function	PV/PC Programmable	PMBus Protocol	CANBus Protocol	LED Indicator	Remote On/Off	DC-OK Signal	Temperature Compensation	12V/0.5A Aux. output
Terminal type	Blank	V(default)	V	V	V		V	V	V	V	V
	CAN	V(default)	V	V		V	V	V	V	V	V
Wiring type	Blank	V		V					V		V
	PM	V			V				V		V
	CAN	V				V			V		V
	CPM			V		V			V	V	V
	CCAN			V			V		V	V	V