

LED Constant Voltage Waterproof Switching Power Supply CLH-12W Series

General Data

- Connector Wire Size: 20cm
- AC Input : L-Brown N-Blue
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-12-12	CLH-12-15	CLH-12-24
DC Output	12V, 0~1A	15V, 0~0.8A	24V, 0~0.5A
Output Voltage Range	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV
Efficiency	78%	78%	80%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC		
Input Current	0.1A/230V		
AC Inrush Current	Cold-start Current 30A/230V		
Leakage Current	<0.5mA/240VAC		
Overload Protection	115~135% Hiccup Mode, Auto-recovery		
Over-temp. Protection	105°C Hiccup Mode, Auto-recovery		
Water level	IP67		
Setup Rise Hold-up Time	200ms 100ms 30ms		
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.		
Working Temperature	-10°C ~+60°C, 20%~90% RH		
Size	132*30*20mm		
Weight/ Packing	0.15Kg, 120pcs/19Kg		

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LED Constant Voltage Waterproof Switching Power Supply CLH-20W Series

General Data

- Connector Wire Size: 20cm
- AC Input : L-Brown N-Blue
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-20-12	CLH-20-15	CLH-20-24
DC Output	12V, 0~1.7A	15V, 0~1.4A	24V, 0~0.8A
Output Voltage Range	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV
Efficiency	76%	78%	80%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC		
Input Current	0.28A/230V		
AC Inrush Current	Cold-start Current 30A/230V		
Leakage Current	<0.5mA/240VAC		
Overload Protection	115~135% Hiccup Mode, Auto-recovery		
Over-temp. Protection	105°C Hiccup Mode, Auto-recovery		
Water level	IP67		
Setup Rise Hold-up Time	200ms 100ms 30ms		
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.		
Working Temperature	-10°C~+60°C, 20%~90% RH		
Size	182*30*20mm		
Weight/ Packing	0.22Kg, 80pcs/18.5Kg		

LED Constant Voltage Waterproof Switching Power Supply CLH-30W Series

General Data

- Connector Wire Size: 20cm
- AC Input : L-Brown N-Blue
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-30-12	CLH-30-15	CLH-30-24
DC Output	12V, 0~2.5A	15V, 0~2A	24V, 0~1.3A
Output Voltage Range	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV
Efficiency	78%	78%	80%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC		
Input Current	0.42A/230V		
AC Inrush Current	Cold-start Current 30A/230V		
Leakage Current	<0.5mA/240VAC		
Overload Protection	102~107% Hiccup Mode, Auto-recovery		
Over-temp. Protection	105°C Hiccup Mode, Auto-recovery		
Water Level	IP67		
Setup Rise Hold-up Time	200ms 100ms 30ms		
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.		
Working Temperature	-10°C ~+60°C, 20%~90% RH		
Size	222*30*20mm		
Weight/ Packing	0.25Kg, 80pcs/21Kg		

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LED Constant Voltage Waterproof Switching Power Supply CLH-12W Series

General Data

- Connector Wire Size: 20cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-50-12	CLH-50-15	CLH-50-24
DC Output	12V, 0~4.2A	15V, 0~3.4A	24V, 0~2.1A
Output Voltage Range	±5%	±5%	±5%
Wave and Noise	100mV	150mV	150mV
Efficiency	78%	78%	80%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC		
Input Current	0.65A/230V		
AC Inrush Current	Cold-start Current 36A/230V		
Leakage Current	<0.5mA/240VAC		
Overload Protection	115~135% Hiccup Mode, Auto-recovery		
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery		
Over-temp. Protection	85°C Cut off the Output, Auto-recovery		
Water Level	IP67		
Setup Rise Hold-up Time	200ms 100ms 30ms		
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.		
Working Temperature	-10°C ~+60°C, 20%~90% RH		
Size	190*48*38mm		
Weight/ Packing	0.6Kg, 30pcs/19Kg		

LED Constant Voltage Waterproof Switching Power Supply CLH-60W Series

General Data

- Connector Wire Size: 20cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-60-5	CLH-60-12	CLH-60-15	CLH-60-24	CLH-60-48
DC Output	5V, 0~10A	12V, 0~5A	15V, 0~4A	24V, 0~2.5A	48V, 0~1.3A
Output Voltage Range	±5%	±5%	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV	150mV	150mV
Efficiency	78%	78%	80%	82%	82%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC				
Input Current	0.9A/230V				
AC Inrush Current	Cold-start Current 36A/230V				
Leakage Current	<1mA/240VAC				
Overload Protection	115~135% Hiccup Mode, Auto-recovery				
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery				
Over-temp. Protection	85°C Cut off the Output, Auto-recovery				
Water Level	IP67				
Setup Rise Hold-up Time	200ms 100ms 30ms				
Withstand Voltage	I/P-O/P: 1.5kVAC 1min. I/P-FG: 1.5kVAC 1min. O/P-FG: 0.5kVAC 1min.				
Working Temperature	-10°C~+60°C, 20%~90% RH				
Size	215*48*38mm				
Weight/ Packing	0.75Kg, 25pcs/19.5Kg				



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LED Constant Voltage Waterproof Switching Power Supply CLH-80W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-80-12	CLH-80-15	CLH-80-24	CLH-80-48
DC Output	12V, 0~6.7A	15V, 0~5.3A	24V, 0~3.3A	48V, 0~1.7A
Output Voltage Range	±5%	±5%	±5%	±5%
Wave and Noise	100mV	150mV	150mV	150mV
Efficiency	78%	80%	82%	82%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC			
Input Current	1.0A/230V			
AC Inrush Current	Cold-start Current 36A/230V			
Leakage Current	<1mA/240VAC			
Overload Protection	115~135% Hiccup Mode, Auto-recovery			
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery			
Over-temp. Protection	85℃ Cut off the Output, Auto-recovery			
Water Level	IP67			
Setup Rise Hold-up Time	200ms 100ms 30ms			
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.			
Working Temperature	-10℃ ~+60℃, 20%~90% RH			
Size	180*69*43mm			
Weight/ Packing	0.9Kg, 20pcs/19Kg			

LED Constant Voltage Waterproof Switching Power Supply CLH-100W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-100-12	CLH-100-15	CLH-100-24	CLH-100-48
DC Output	12V, 0~8.5A	15V, 0~6.7A	24V, 0~4.5A	48V, 0~2.0A
Output Voltage Range	±5%	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV	150mV
Efficiency	81%	81%	84%	84%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC			
Input Current	1.2A/230V			
AC Inrush Current	Cold-start Current 40A/230V			
Leakage Current	<1mA/240VAC			
Overload Protection	115~135% Hiccup Mode, Auto-recovery			
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery			
Over-temp. Protection	85°C Cut off the Output, Auto-recovery			
Water Level	IP67			
Setup Rise Hold-up Time	200ms 100ms 30ms			
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.			
Working Temperature	-10°C ~+60°C, 20%~90% RH			
Size	222*69*43mm			
Weight/ Packing	1.2Kg, 20pcs/25Kg			



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LED Constant Voltage Waterproof Switching Power Supply CLH-120W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-120-12	CLH-120-15	CLH-120-24	CLH-120-48
DC Output	12V, 0~10A	15V, 0~8A	24V, 0~5A	48V, 0~2.5A
Output Voltage Range	±5%	±5%	±5%	±5%
Wave and Noise	100mV	100mV	150mV	150mV
Efficiency	81%	81%	84%	84%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC			
Input Current	1.2A/230V			
AC Inrush Current	Cold-start Current 40A/230V			
Leakage Current	<1mA/240VAC			
Overload Protection	115~135% Hiccup Mode, Auto-recovery			
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery			
Over-temp. Protection	85°C Cut off the Output, Auto-recovery			
Water Level	IP67			
Setup Rise Hold-up Time	200ms 100ms 30ms			
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.			
Working Temperature	-10°C ~+60°C, 20%~90% RH			
Size	222*69*43mm			
Weight/ Packing	1.2Kg, 20pcs/25Kg			

LED Constant Voltage Waterproof Switching Power Supply CLH-150W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-150-12	CLH-150-15	CLH-150-24	CLH-150-48
DC Output	12V, 0~12.5A	15V, 0~10A	24V, 0~6.3A	48V, 0~3.2A
Output Voltage Range	±5%	±5%	±5%	±5%
Wave and Noise	120mV	120mV	120mV	150mV
Efficiency	81%	81%	84%	84%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC			
Input Current	1.6A/230V			
AC Inrush Current	Cold-start Current 40A/230V			
Leakage Current	<3.5mA/240VAC			
Overload Protection	115~135% Hiccup Mode, Auto-recovery			
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery			
Over-temp. Protection	85°C Cut off the Output, Auto-recovery			
Water Level	IP67			
Setup Rise Hold-up Time	200ms 100ms 30ms			
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.			
Working Temperature	-10°C ~+60°C, 20%~90% RH			
Size	245*70*43mm			
Weight/ Packing	1.5Kg, 16pcs/25Kg			



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LED Constant Voltage Waterproof Switching Power Supply CLH-200W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-200-12	CLF-200-13.5	CLH-200-15	CLH-200-24	CLH-200-27	CLH-200-48
DC Output	12V, 0 ~16.5A	13.5V,0~14.7A	15V, 0~13A	24V, 0~8.3A	27V, 0~7.4A	48V, 0~4.2A
Output Voltage Range	±5%	±5%	±5%	±5%	±5%	±5%
Wave and Noise	150mV	150mV	150mV	150mV	150mV	200mV
Efficiency	80%	82%	84%	84%	86%	86%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC					
Input Current	2.5A/230V					
AC Inrush Current	Cold-start Current 50A/230V					
Leakage Current	<3.5mA/240VAC					
Overload Protection	115~135% Hiccup Mode, Auto-recovery					
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery					
Over-temp. Protection	85°C Cut off the Output, Auto-recovery					
Water Level	IP67					
Setup Rise Hold-up Time	200ms 100ms 30ms					
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.					
Working Temperature	-10°C ~+60°C, 20%~90% RH					
Size	235*120*56mm					
Weight/ Packing	2.8Kg, 9pcs/26.5Kg					

LED Constant Voltage Waterproof Switching Power Supply CLH-250W Series

General Data

- Connector Wire Size: 30cm
- AC Input : L-Brown N-Blue G-Yellow & Green
- DC output: +V -red, -V -black

Technical Parameter

Order No.	CLH-250-12	CLH-250-15	CLH-250-24	CLH-250-27	CLH-250-48
DC Output	12V, 0~25A	15V, 0~16A	24V, 0~10A	27V, 0~9A	48V, 0~5.2A
Output Voltage Range	±5%	±5%	±5%	±5%	±5%
Wave and Noise	150mV	150mV	180mV	180mV	240mV
Efficiency	80%	84%	84%	86%	86%
AC Input Voltage Range	170~264VAC 47~63Hz; 240~370VDC				
Input Current	2.5A/230V				
AC Inrush Current	Cold-start Current 50A/230V				
Leakage Current	<3.5mA/240VAC				
Overload Protection	115~135% Hiccup Mode, Auto-recovery				
Over-voltage Protection	115~135% Cut off the Output, Auto-recovery				
Over-temp. Protection	85°C Cut off the Output, Auto-recovery				
Water Level	IP67				
Setup Rise Hold-up Time	200ms 100ms 30ms				
Withstand Voltage	I/P-O/P: 1.5KvAC 1min. I/P-FG: 1.5KvAC 1min. O/P-FG: 0.5KvAC 1min.				
Working Temperature	-10°C ~+60°C, 20%~90% RH				
Size	235*127*58mm				
Weight/ Packing	2.9Kg, 9pcs/27Kg				



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