

Features

- 1, guide specifications: TS35/7.5 or 15
- 2, compact
- 3, short circuit, overload protection
- 4, 100% full load burn-in test
- 5, LED power indicator

Overview

- DC output : 45W
- Input Voltage range : AC85~264V
- Size : 78×93×56mm

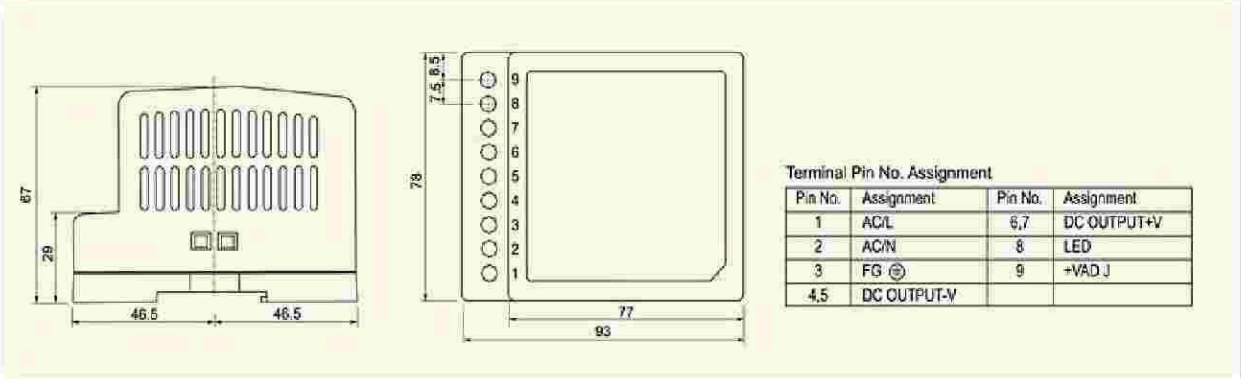


General Specification

Single output	Model			
	BDR-45W-5	BDR-45W-12	BDR-45W-15	BDR-45W-24
DC output	5V 5A	12V 3.5A	15V 2.8A	24V 2A
Wave and noise	50MVP-P	50MVP-P	50MVP-P	50MVP-P
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1%	±0.5%	±0.5%	±0.5%
Efficiency	72%	77%	77%	80%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	85~264VAC/ 47~63Hz 120~370VDC			
AC Inrush current	Selected by switch 28A/115V 56A/230V			
OverLoad protection	105%~150% hiccup mode ,auto-recovery			
Over-voltage protection	115%~135%rated output voltage			
Setup,rise,hold up time	800ms, 60ms, 50ms /230VAC at full load			
Withstand voltage	I/P-O/P : 3KvAC I/P-FG:1.5Kv O/P-FG:0.5Kv 1 minute			
Isolation resistance	I/P-O/P I/P-FG O/P-FG:500VDC/100MΩ			
Working temperature	-10℃~+50℃			
Safety standards	Design refer to GB4943,UL60950,EN60950			
EMC standards	Design refer to GB9254,EN55022 classB			
Weight	0.31kg			

Overall Dimenseion(mm)

TOP



Overview

- Single output : 60W
- Input Voltage range : AC88~264V 124~370VDC
- Size : 78×93×56mm

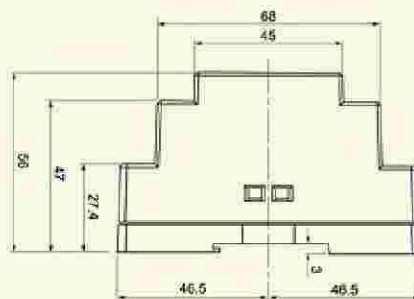
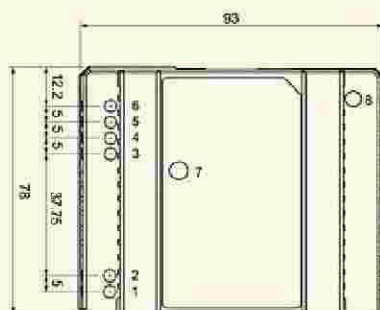


General Specification

Specification	Model			
	BDR-60W-5	BDR-60W-12	BDR-60W-15	BDR-60W-24
DC output	5V 6.5A	12V 4.5A	15V 4A	24V 2.5A
Wave and noise	50MVP-P	50MVP-P	50MVP-P	50MVP-P
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1%	±0.5%	±0.5%	±0.5%
Efficiency	76%	82%	83%	84%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	88~264VAC/ 47~63Hz 124~370VDC			
AC Inrush current	Cold-start current 18A/115V 36A/230V			
OverLoad protection	105%~160% hiccup mode ,auto-recovery			
Over-voltage protection	115%~135%rated output voltage			
Setup,rise,hold up time	100ms, 30ms, 60ms /230VAC at full load			
Withstand voltage	I/P-O/P : 3KvAC I/P-FG:1.5Kv O/P-FG:0.5kv 1 minute			
Isolation resistance	I/P-O/P I/P-FG O/P-FG:500VDC/100MΩ			
Working temperature	-10℃~+50℃			
Safety standards	Design refer to GB4943,UL60950,EN60950			
EMC standards	Design refer to GB9254,EN55022 classB			
Weight	0.3kg			

Overall Dimension(mm)

TOP



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/N	5,6	.V
2	AC/L	7	LED
3,4	+V	8	+VADJ.

Overview

- Single output : 75W
- Input Voltage range : AC85~264V 120-370VDC
- Size : 55.5×125.2×100mm

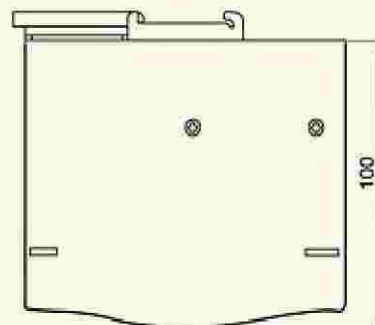
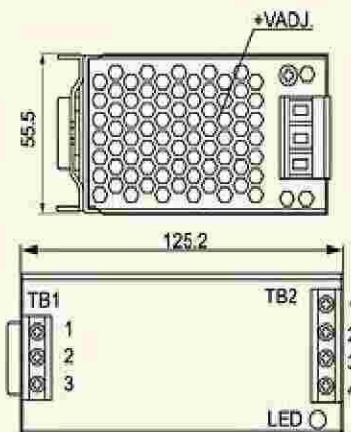


General Specification

Specification	Model			
	BDR-75W-12	BDR-75W-15	BDR-75W-24	BDR-75W-48
DC output	12V 6.3A	15V 5A	24V 3.2A	48V 1.6A
Wave and noise	50MVP-P	50MVP-P	50MVP-P	50MVP-P
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1%	±0.5%	±0.5%	±0.5%
Efficiency	76%	80%	80%	81%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	85~264VAC/ 47~63Hz 120~370VDC			
AC Inrush current	Cold-start current 20A/115V 40A/230V			
OverLoad protection	105%~150% hiccup mode ,auto-recovery			
Over-voltage protection	121%~142%rated output voltage			
Setup,rise,hold up time	1000ms, 60ms, 60ms /230VAC			
Withstand voltage	I/P-O/P : 3KvAC I/P-FG:1.5Kv O/P-FG:0.5Kv 1 minute			
Isolation resistance	I/P-O/P I/P-FG O/P-FG:500VDC/100MΩ			
Working temperature	~10°C----+50°C			

Overall Dimenseion(mm)

TOP



Terminal Pin No. Assignment(TB1)

Pin No.	Assignment
1	FG ⊕
2	AC/N(DC+)
3	AC/L(DC-)

Terminal Pin No. Assignment(TB2)

Pin No.	Assignment
1,2	DC OUTPUT+V
3,4	DC OUTPUT-V

Overview

- Single output: 120W
- Input Voltage range : AC110/220±20% selectble by switch
- Size : 65.5×125.2×100mm

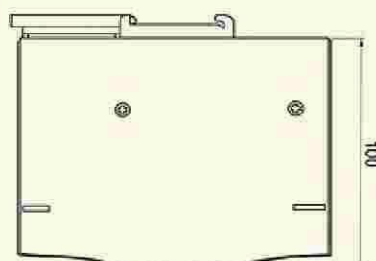
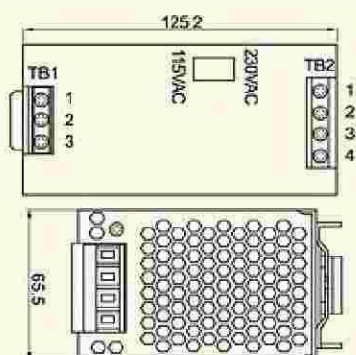


General Specification

Specification	Model			
	BDR-120W-12	BDR-120W-15	BDR-120W-24	BDR-120W-48
DC output	12V 10A	15V 8A	24V 5A	24V 2.5A
Wave and noise	75MVP-P	75MVP-P	75MVP-P	75MVP-P
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1%	±0.5%	±0.5%	±0.5%
Efficiency	80%	81%	84%	85%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	AC110/ 220±20% Selected by switch			
AC Inrush current	Cold-start current 20A/115VAC 40A/230V			
OverLoad protection	105%~150% hiccup mode ,auto-recovery			
Over-voltage protection	121%-142%rated output voltage			
Setup, rise, hold up time	500ms, 70ms, 30ms at full load and 230VAC			
Withstand voltage	I/P-O/P : 3KvAC I/P-FG: 1.5Kv O/P-FG: 0.5Kv 1 minute			
Isolation resistance	I/P-O/P I/P-FG O/P-FG: 500VDC/100MΩ			
Working temperature	-10℃~+50℃			
Safety standards	Design refer to GB4943, UL60950, EN60950			
EMC standards	Design refer to GB9254, EN55022 classB			
Weight	0.79kg			

Overall Dimenseion(mm)

TOP



Terminal Pin No. Assignment(TB1)

Pin No.	Assignment
1	FG
2	AC/N
3	AC/L

Terminal Pin No. Assignment(TB2)

Pin No.	Assignment
1,2	DC OUTPUT+V
3,4	DC OUTPUT-V

Overview

- Single output : 240W
- Input Voltage range : AC85~264V;124-370VDC
- Size : 125.5×125.2×100mm

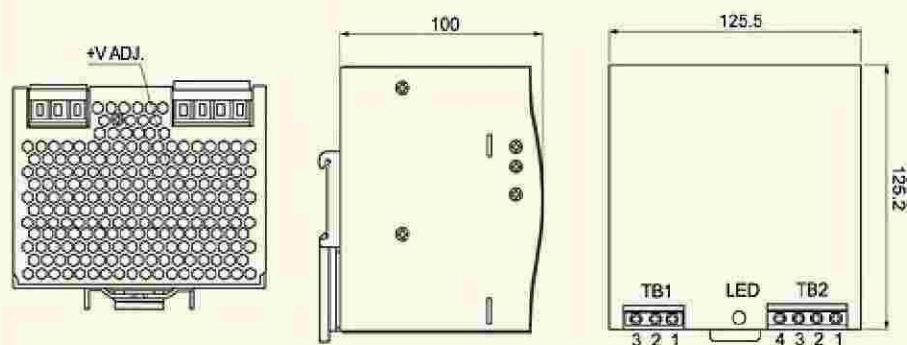


General Specification

Specification	Model	
	BDRP-240W-24	BDRP-240W-48
DC output	24V 10A	48V 5A
Wave and noise	50MVP-P	50MVP-P
Inlet stability	±0.5%	±0.5%
Load stability	±1%	±0.5%
Efficiency	84%	85%
Adjustable range for DC voltage	±10%	±10%
AC input voltage range	85-264VAC 47-63HZ 124-370VDC	
AC Inrush current	Cold-start current 27A/115VAC 45A/230V	
OverLoad protection	105%~150% hiccup mode ,auto-recovery	
Over-voltage protection	30~36V for 24Vmodel,54~60V for 48Vmodel	
Setup,rise,hold up time	800ms, 40ms, 20ms/230VAC at full load	
Withstand voltage	I/P-O/P : 3KvAC I/P-FG:1.5Kv O/P-FG:0.5Kv1 minute	
Isolation resistance	I/P-O/P I/P-FG O/P-FG:500VDC/100MΩ	
Working temperature	~-10℃----+50℃	
Safety standards	Design refer to GB4943,UL60950,EN60950	
EMC standards	Design refer to GB9254,EN55022 classB	
Weight	1.2kg	

Overall Dimension(mm)

[TOP](#)



Terminal Pin Number Assignment(TB1)

Pin No.	Assignment
1	FG ⚡
2	AC/N
3	AC/L

Terminal Pin Number Assignment(TB2)

Pin No.	Assignment
1,2	DC OUTPUT+V
3,4	DC OUTPUT-V

Overview

- Single output : 30W
- Input Voltage range : AC88-264V 120-370VDC
- Size : 78×93×56mm

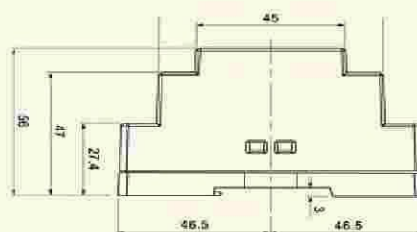
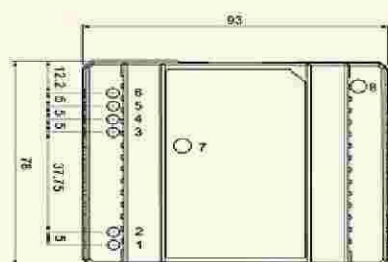


General Specification

Specification	Model			
	BDR-30W-5	BDR-30W-12	BDR-30W-15	BDR-30W-24
DC output	5V 3A	12V 2A	15V 2A	24V 1.5A
Wave and noise	50MVP-P	50MVP-P	50MVP-P	50MVP-P
Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
Load stability	±1%	±0.5%	±0.5%	±0.5%
Efficiency	74%	81%	82%	83%
Adjustable range for DC voltage	±10%	±10%	±10%	±10%
AC input voltage range	85~264VAC/47~63Hz 120~370VDC			
AC Inrush current	Cold-start current 15A/115V 30A/230V			
OverLoad protection	105%~201% hiccup mode ,auto-recovery			
Over-voltage protection	115%~135%rated output voltage			
Setup, rise, hold up time	100ms 30ms 60ms /230VAC at full load			
Withstand voltage	I/P-O/P : 3KvAC I/P-FG: 1.5Kv O/P-FG: 0.5Kv 1 minute			
Isolation resistance	I/P-O/P I/P-FG O/P-FG: 500VDC/100MΩ			
Working temperature	-10℃ ~+50℃			
Safety standards	Design refer to GB4943, UL60950, EN60950			
EMC standards	Design refer to GB9254, EN55022 classB			
Weight	0.27kg			

Overall Dimension(mm)

TOP



Terminal Pin No. Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/N	5,6	-V
2	AC/L	7	LED
3,4	+V	8	+VADJ.