

Security Series 40~60W Single Output with Battery Charger



Features

- Single output with built-in battery charger circuit (UPS function)
- Universal AC input / Full range
- Can be installed on DIN rail
 - TS-35/7.5 or 15
- Protections:
 - Short circuit / Overload / Over voltage / Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and battery low via RELAY Contact
- Pass LPS
- LED indicator for power on
- 3 years warranty

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



Model No.	DRC-40	DRC-60
AC input voltage range	90~264VAC; 127~370VDC	
AC inrush current (max.)	Cold start, 30A at 115VAC, 60A at 230VAC	
DC adjustment range	CH1, 13.8V: 12~15V; 27.6V: 24~30V	
Overload protection	105%~150% hiccup mode, auto-recovery	
Over voltage protection	105%~135% rated output voltage	
Setup, rise, hold up time	400ms, 50ms, 50ms at full load and 230VAC	
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC	
Working temperature	-30~+70°C (refer to output derating curve)	
Safety standards	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, AS/NZS62368.1 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 (screw DIN terminal)	I/P: 3 poles, O/P: 8 poles	
Dimension (LxWxH)(mm)	40x 90x 100	

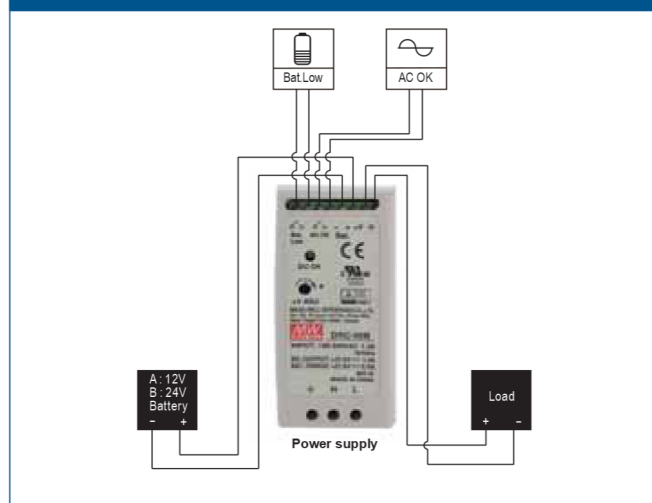
40W DRC-40

Model No.	Output	Tol.	R&N	Effi.	Max.
DRC-40A	13.8V, 0~2.9A	±1%	120mV	86%	40W
	13.8V, 0~1.0A (Charger)				
DRC-40B	27.6V, 0~1.45A	±1%	200mV	87%	40W
	27.6V, 0~0.5A (Charger)				

60W DRC-60

Model No.	Output	Tol.	R&N	Effi.	Max.
DRC-60A	13.8V, 0~4.3A	±1%	120mV	86%	59W
	13.8V, 0~1.5A (Charger)				
DRC-60B	27.6V, 0~2.15A	±1%	200mV	88%	59W
	27.6V, 0~0.75A (Charger)				

DRC Series Example of Application





Features

- Single output with built-in battery charger circuit (UPS function)
- Universal AC input / Full range
- Can be installed on DIN rail
TS-35/7.5 or 15
- Protections:
Short circuit / Overload / Over voltage / Battery low protection / Battery reverse polarity protection by fuse
- Alarm signal for AC OK and battery low via RELAY contact
- Fanless design
- LED indicator for power on
- 3 years warranty

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



Model No.	DRC-100	DRC-180
AC input voltage range	90~264VAC; 127~370VDC	
AC inrush current (max.)	Cold start, 30A at 115VAC, 60A at 230VAC	Cold start, 35A at 115VAC, 70A at 230VAC
DC adjustment range	CH1: 13.8V: 12~15V; 27.6V: 24~30V	CH1: 13.8V: 12~15V; 27.6V: 24~29V
Overload protection	105%~150% hiccup mode, auto-recovery	
Over voltage protection	105%~135% rated output voltage	
Setup, rise, hold up time	2400ms, 50ms, 50ms at full load and 230VAC	2000ms, 20ms, 20ms at full load and 230VAC
Withstand voltage	I/P-O/P: 3kVAC, I/P-FG: 2kVAC, O/P-FG: 0.5kVAC	
Working temperature	-30~+70°C (refer to output derating curve)	-20~+70°C (refer to output derating curve)
Safety standards	UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004, AS/NZS62368.1 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 (screw DIN terminal)	I/P: 3 poles, O/P: 10 poles	I/P: 3 poles, O/P: 8 poles
Dimension (LxWxH)(mm)	55x 90x 100	63x 125.2x 113.5

100W DRC-100

Model No.	Output	Tol.	R&N	Effi.	Max.
DRC-100A	13.8V, 0~7A	±1%	120mV	87%	97W
	13.8V, 0~2.5A (Charger)				
DRC-100B	27.6V, 0~3.5A	±1%	240mV	89%	97W
	27.6V, 0~1.25A (Charger)				

180W DRC-180

Model No.	Output	Tol.	R&N	Effi.	Max.
DRC-180A	13.8V, 0~9A	±1%	150mV	88%	180W
	13.8V, 0~4A (Charger)				
DRC-180B	27.6V, 0~4.5A	±1%	240mV	90%	180W
	27.6V, 0~2A (Charger)				

Function	Description	Output of Alarm
AC OK	when the power supply turns ON	RELAY Closed
	when the power supply turns OFF	RELAY Open
Battery Low	when the voltage of battery is under A: 11V, B: 22V	RELAY Closed
	when the voltage of battery is above A: 11V, B: 22V	RELAY Open

