

960W High Input Voltage

CE CBCE



- Input 340~550VAC, 3-phase
- Width only 110mm
- Built-in active PFC function
- High efficiency up to 94.5%
- Protections: Short circuit / Overload / Over voltage / Over temp.
- Cooling by free air convection
- Installed on DIN rail TS-35 / 7.5 or 15
- EN61000-6-2(EN50082-2) industrial immunity level
- Current sharing up to 3840W (3+1)
- Built-in DC OK relay contact
- 3 years warranty

CASE: 214A 110x 125.2x 150 mm

AC input voltage range 340~550VAC, 3-phase (two phase operation possible)
 AC input current (Typ.)..... 2A / 400VAC, 1.4A / 500VAC
 AC inrush current Cold start, 60A at 400VAC
 DC adjustment range 24V: 24~28V, 48V: 48~55V
 Overload protection 105%~130% rated output power, constant current limiting, unit will shut down after 3 sec. re-power on to recover
 Over voltage protection 29~33V (24V model), 56~65V (48V model), shut down o/p voltage, re-power on to recover
 Over temperature..... 90°C±5°C (24V model), 85°C±5°C (48V model) shut down o/p voltage, recovers automatically after temperature goes down
 Withstand voltage..... I/P-O/P:3kVAC I/P-FG:2kVAC O/P-FG:0.5kVAC O/P-DC OK: 0.5kVAC
 Working temperature -30~+70°C (refer to output derating curve)
 Safety standards..... UL508 approved; IEC60950-1 CB approved by SIQ
 EMC standards EN55022 Class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), EN61204-3, heavy industry level
 Connection I/P: 3 poles, O/P: 6 poles screw DIN terminal

Model No.	Output	Tol.	R&N	Effi.
TDR-960-24	24V, 0~40A	±1.0%	180mV	94.0%
TDR-960-48	48V, 0~20A	±1.0%	250mV	94.5%

20A Power Supply Redundant Module

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- Suitable for redundant operation of 24V system
- Installed on DIN rail TS35 / 7.5 or 15
- Relay contact signal output and LED indicator for input failure alarm
- Cooling by free air convection
- 3 years warranty

CASE: 923C 55.5x 125.2x 100 mm

DC input voltage range 21~28V, 20A max. x 2 channels
 Reverse voltage 30V
 DC output current 20A max.
 DC output voltage drop 0.5V max.
 Input voltage alarm When input is > 20V(±5%) or <30V(±5%), relay contacts
 Relay contact rating 30VDC, 1A
 Working temperature -20~+70°C
 EMC standards EN55022 class B, EN61000-4-2,3,4,5,6,8,11
 Connection I/P: 4 poles, O/P: 2 poles screw DIN terminal, Single output: 4 poles

Model No.	Output	Reverse Voltage	Current
DR-RDN20	24V, 20A	30V max.	20A max.

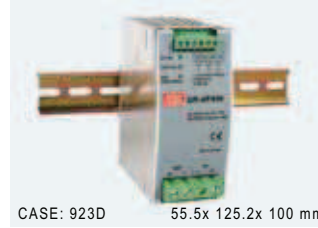
Feature Description

DR-RDN-20 is a 20A redundancy (decoupling) module for the 24VDC power system. Containing 2 sets of 20A Or-ing diodes with wonderful heat dissipation deployment, DR-RDN20 offers a safe option of 1+1 redundant set-up. Not only perfectly decouple power sources from each other as well as from the load, DR-RDN-20 also provides users monitoring signals for both input channels through the built-in relays.

DR-UPS40 is a 40A max. DC UPS (battery control) module for the 24VDC power system. Accompany with external batteries, it can back-up up to 40A of current to critical loads for certain period of time depending on the capacity of batteries. With complete monitoring signals / LED indicators for DC BUS OK, Battery Fail, Battery Discharge, and the repeated Battery Test function to check the situation of external batteries, users can customize their own DC UPS system to back up critical loads and capture the status of the whole system easily.

40A DC UPS Module

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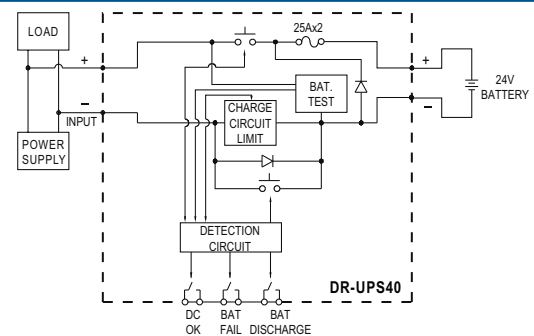
- Battery controller for DIN rail UPS system
- Parallel connected to DC BUS
- Suitable for 24V system up to 40A
- Installed on DIN Rail TS35 / 7.5 or 15
- Built-in battery test function
- Battery polarity protection
- Relay contact signal output and LED indicator for DC BUS OK, Battery Fail, and Battery Discharge
- Cooling by free air convection
- 3 years warranty

DC input / DC bus 24~29V, 40A max.
 Battery input voltage 21~29V
 Battery input Current 0~40A
 Charge current (typ.) 2A
 External battery (typ.) 24V, 4AH / 7AH / 12AH
 DC bus ok Relay status : Short when DC voltage between 21~29V(±3%), relay contacts
 LED(Green) : DC bus OK : light; DC bus fail : dark
 Battery fail Relay status : Short when battery failure is observed through the battery test function, relay contacts
 LED(Red) : Battery over-discharge warning or battery broken: light; Battery OK: dark
 Battery discharge Relay status : Short when battery in discharge condition, relay contacts
 LED(Yellow) : Battery discharging: light; Battery is not discharging or discharging current <2A: dark

Working temperature -20~+70°C
 EMC standards EN55022 class B, EN61000-4-2,3,4,5,6,8,11
 Connection I/P: 2 poles, O/P: 2 poles screw DIN terminal, Single output: 6 poles

Model No.	DC BUS Voltage	DC BUS Current
DR-UPS40	24~29V	40A max.

Block Diagram



Example of Application

Back up connection for AC interruption

