



Блоки питания на DIN рейку серия DRA-DR Peripheral

Технические характеристики



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40W & 60W Output Current Programmable

- Universal AC input / Full range
- **Io can be trimmed 10~100% by 1~10Vdc, PWM signal or resistance**
- Installed on DIN rail TS-35 / 7.5 or 15
- Protections:
Short circuit / Overload /
Over voltage
- Pass LPS
- Cooling by free air convection
- LED indicator for power on
- 100% full load burn-in test
- **Suitable for machine vision inspection system and plant cultivation application**
- 3 years warranty



AC input voltage range	90~264VAC; 127~370VDC
AC inrush current	Cold start, 60A at 230VAC
DC adjustment range	12V: 12~15V, 24V: 24~30V
Current adjustment range	10%~100% rated output current adjustable by 1~10VDCc, PWM signal or resistance
Overload protection	95%~108% rated output power, constant current limiting, auto-recovery
Over voltage protection.....	120%~155% rated output power, shut down o/p voltage, re-power on to recover
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	UL60950-1, TUV EN60950-1 approved
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, EN61204-3
Connection	I/P: 3 poles, O/P: 6 poles screw DIN terminal

❖ DRA-40 Series

Model No.	Output	Tol.	R&N	Effi.
DRA-40-12	12V, 0~3.34A	±1.0%	120mV	85%
DRA-40-24	24V, 0~1.7A	±1.0%	150mV	87%

❖ DRA-60 Series

Model No.	Output	Tol.	R&N	Effi.
DRA-60-12	12V, 0~5A	±1.0%	120mV	85%
DRA-60-24	24V, 0~2.5A	±1.0%	150mV	87%

20W KNX Power Supply



- EIB / KNX power supply with integrated choke
- Compact size with 3SU(52.5mm) width
- 180~264VAC input
- No load power consumption <0.5W
- 200ms mains failure back-up time
- Button for bus reset on top
- Protections: Short circuit / Overload (short-circuit-proof) / Over voltage
- Cooling by free air convection
- Isolation class I
- LED indicator for normal operation, bus reset and bus overload
- Installed on DIN rail TS-35/7.5 or 15
- 3 years warranty

AC input voltage range	180~264VAC; 254~370VDC
AC inrush current	Cold start, 40A at 230VAC
LED indicators	ON: Green LED, normal operation, no fault Reset: Red LED, reset of the KNX bus $I_{out} > I_{max}$: Red LED, KNX bus overload
Overload protection	205%~235% rated output power ; constant current limiting, auto-recovery after fault condition is removed
Over voltage protection	110%~115% ; Shut down o/p voltage, re-power on to recover
Setup, rise, hold up time	1000ms, 50ms, 200ms at 230VAC
Working temperature	-30~+70°C (-30~+50°C@100% load, 70°C@60% load)
Safety standards	EN61558-1, EN61558-2-16 approved
EMC standards	EN50491-5-1, -5-2, -5-3
Connection	I/P: 3 poles; O/P: 2 poles screw DIN terminal & 2 KNX bus terminals (black/red)

► KNX-20E Feature Description



output and an additional output for ancillary power.

The -30~+70°C wide temperature operating range can meet all kinds of applications. LED indicators are used in case of normal operation, overload conditions and RESET operation. It is perfectly suitable to power up any products labeled with the KNX trademark. With over 30 years of industrial power supply experience, KNX-20E is engineered to be a reliable and safe solution for KNX bus environment.

■ Applications

KNX-based home, office, building

- Lighting control
- Heating/ventilation & Air Conditioning control
- Shutter/Blind control
- Alarm monitoring
- Energy management & Electricity / Gas / Water metering
- Security systems control
- Automation & remote access control

20A Power Supply Redundancy Module

- Suitable for redundant operation of 24V system
- Installed on DIN rail TS-35 / 7.5 or 15
- Relay contact signal output and LED indicator for input failure alarm
- Cooling by free air convection
- 3 years warranty



DC input voltage range21~28V, 20A max. x 2 channels
 Reverse voltage 30V
 DC output current 20A max.
 DC output voltage drop 0.6V max.
 Input voltage alarm When input is > 20V(±5%) and <30V(±5%), relay contacts
 Relay contact rating 30VDC, 1A
 Working temperature -40~+70°C
 Safety standard UL508 approved
 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-RDN20 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

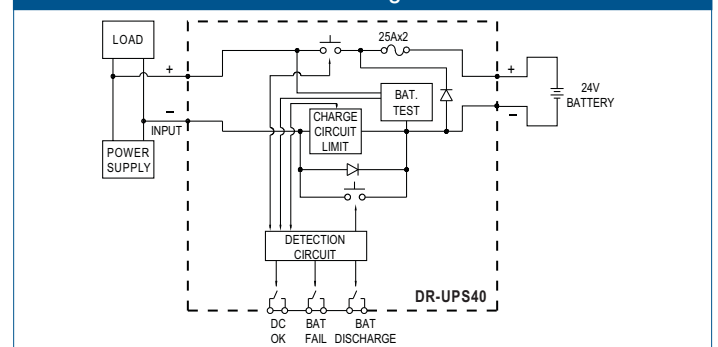
- Battery controller for DIN rail UPS system
- Parallel connected to DC BUS
- Suitable for 24V system up to 40A
- Installed on DIN Rail TS-35 / 7.5 or 15
- Built-in battery test function
- Battery polarity protection
- Relay contact signal output and LED indicator for DC BUS OK, Battery Fail, and Battery Discharge
- Cooling by free air convection
- 3 years warranty



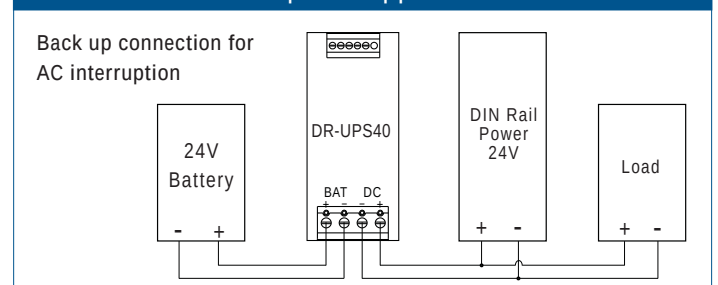
DC input / DC bus 24~29V, 40A max.
 Battery input voltage 21~29V
 Battery input Current 0~40A
 Charge current (typ.) 2A
 External battery (typ.) 24V, 4AH / 7AH / 12AH
 DC bus ok Relay status : Short when DC voltage between 21~29V(±3%), relay contacts
 LED(Green) : DC bus OK : light;
 DC bus fail : dark
 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



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