

- Suitable For Battery Back-Up Of A 24V System
- Installed on DIN Rail TS35 / 7.5 or 15
- Alarms & Colour Coded LED For DC OK, Battery Fail & Battery Discharge
- Cooling By Free Air Convection
- For 24 Volt Systems Up To 40 Amps
- Can Be Used With Dual Redundant PSU's
- 3 Years Warranty



Size: 55.5(W) x 125.2(H) x 100(D) mm

The DR-UPS40 is a DC UPS (battery control) module for a 24 VDC power system up to 40 Amps. Linked with external batteries and 24 Volt Power Supply it gives back-up for a period of time depending on the capacity of batteries. With monitoring signals / LED indicators for DC BUS OK, Battery Fail, Battery Discharge, and the repeated internal Battery Test function to check the condition of the external batteries, users can customize their own DC UPS system to back up critical loads and easily capture the status of the whole system. Can also be used with Redundancy Module DR-RDN20 and two power supplies to also add dual redundancy.

Specification

DC Input / DC BUS.....	24 ~ 29 Volts 40 Amps
Battery Input / Output.....	21~29 Volts
Battery Charge Current (typ).....	2 Amps
External battery (typ).....	24 Volts, Minimum 5Ah Capacity
Relay Alarm Contacts.....	Rating maximum 30 Volts 1 Amp
Alarms	
DC bus OK.....	Relay Status : Short when DC voltage between 21~29V(+/-3%) relay contacts LED (Green) : DC Bus OK : Lit : DC Bus Fail : Off
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 : Lit Battery OK : Off
Battery Discharge.....	Relay Status : Short when battery in discharge condition relay contacts LED (Yellow) : Battery discharging : Lit Battery is not discharging or discharging Current <2A : Off
Working Temperature.....	-20°C ~ +70°C
EMC Standards.....	EN55022 ((CISPR22) Class B, EN61000-4-2,3,4,5,6,8, ENV50204 Heavy Industrial A
Connections DC Bus & Battery.....	Screw terminals
Relay Alarms / Status Signals.....	Screw terminals
Weight.....	0.55 kg
Dimensions.....	55.5(W) x 125.2(H) x 100(D) mm

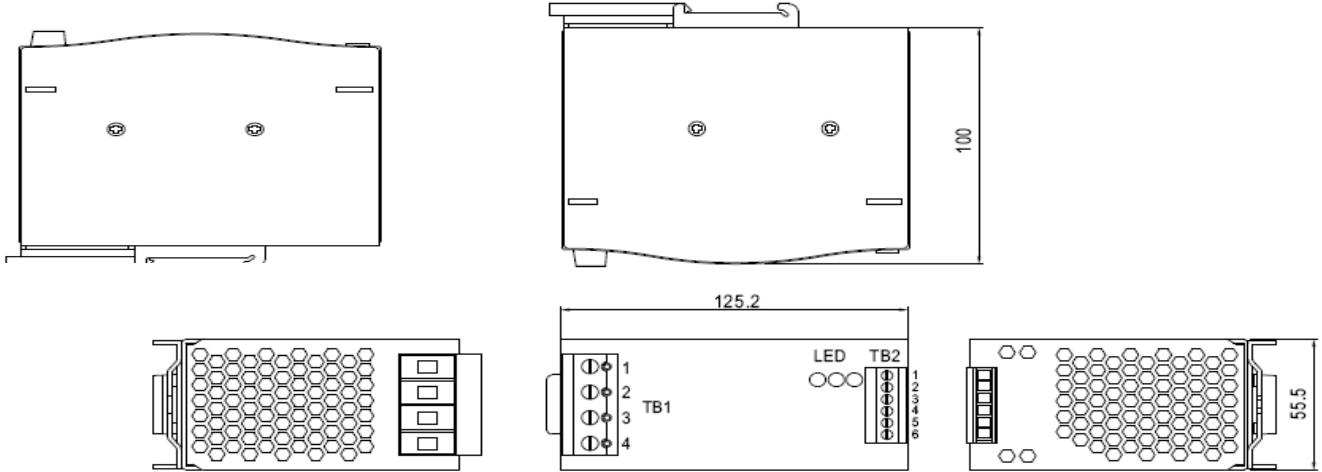
[See next page for mechanical drawing and connection details](#)

Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.

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DC UPS Module, DIN Rail Mounting, 24 Volt

Mechanical Details



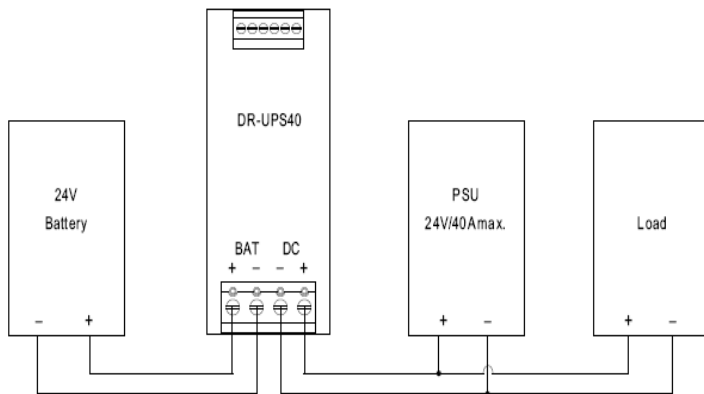
Terminals TB1

Terminal	Assignment
1	Battery input +
2	Battery input -
3	DC input -
4	DC input +

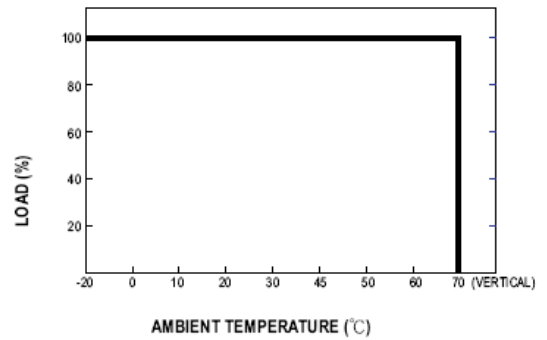
Terminal TB2

Terminal	Assignment
1	BATT DISC 1
2	BATT DISC 2
3	BATT FAIL 1
4	BATT FAIL 2
5	DC Bus OK 1
6	DC Bus OK 2

Standard Back Up connection for AC interruption

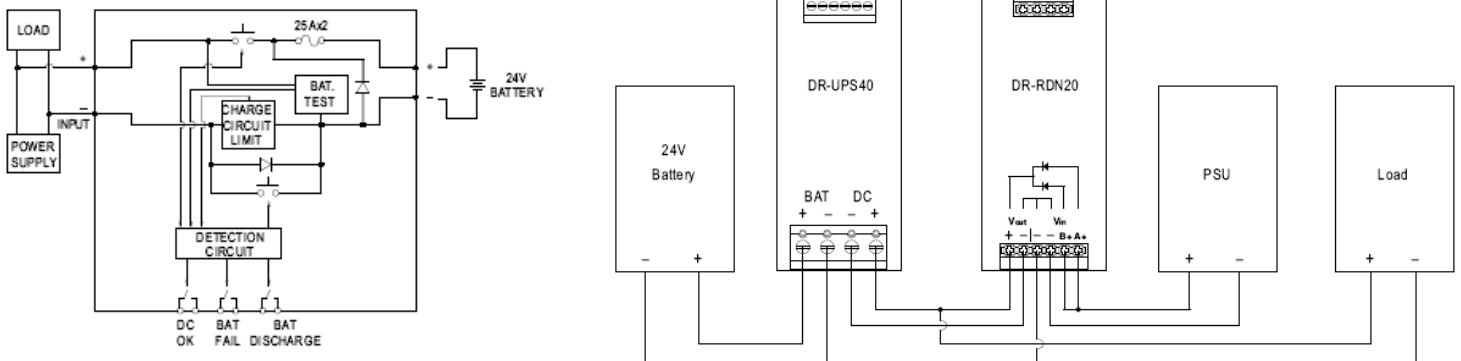


Temperature Derating curve



Combined with redundancy module (DR-RDN20) back up AC interruption or failure of PSU (1 of 2 PSU's fitted)

Block Diagram



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