

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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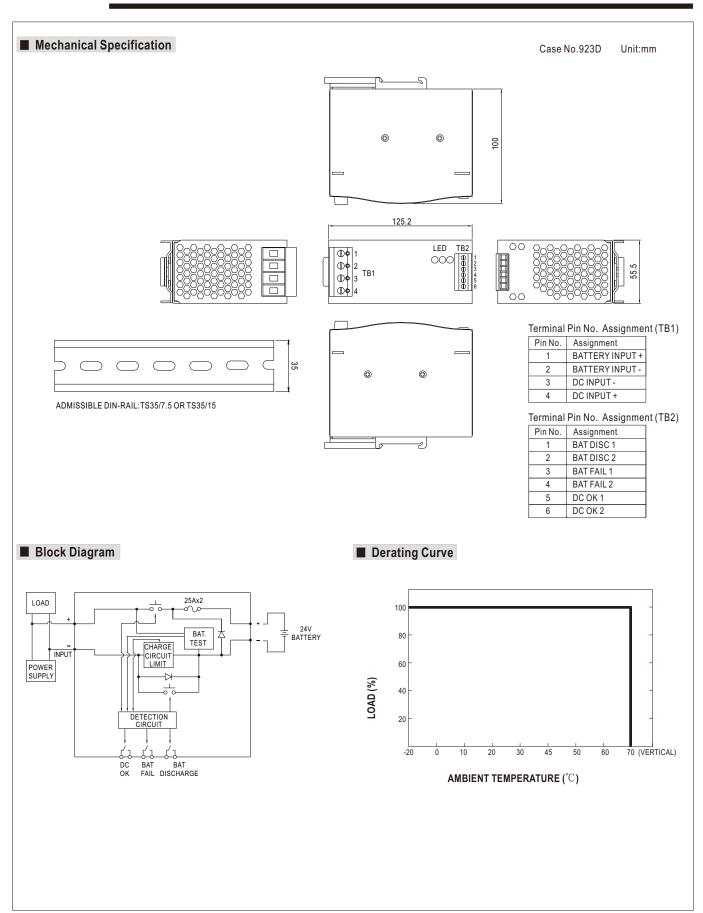
Features:

- Battery controller for DIN Rail UPS system
- Parallel connection 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

SPECIFICATION

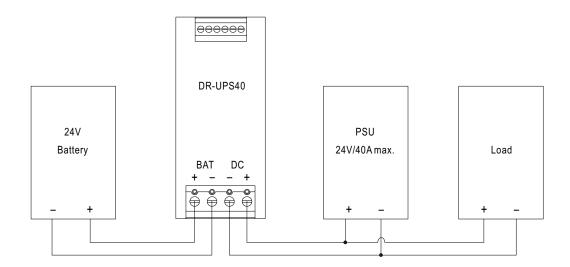
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MODEL		DR-UPS40
DC INPUT /	DC VOLTAGE (Typ.) Note.5	24 ~ 29V
DC BUS	RATED CURRENT	40A
BATTERY INPUT / OUTPUT	VOLTAGE RANGE (Typ.)	21 ~ 29V
	CURRENT RANGE	0~40A
	CHARGE CURRENT (Typ.) Note.4	2A
	EXTERNAL BATTERY (Typ.)	4/7/12AH/24V
FUNCTION	RELAY CONTACT RATING (max.)	30VDC, 1A
	DC BUS OK	Relay contact : Short when DC voltage between 21~29V(±3%), relay contacts
		LED(Green): DC BUS OK: light; DC BUS fail: dark
	BATTERY FAIL Note.2	Short when battery voltage falls below 21.9V($\pm 3\%$) or 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 contact: Short when battery in discharge condition, relay contacts
		LED(Yellow):light: Battery discharging; dark: Battery is not discharging or discharging current<2.0A
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C
	WORKING HUMIDITY	20 ~ 90% RH
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	VIBRATION	Component: 10 ~ 500Hz, 2G 10min./1cycle, 60min. each X, Y, Z axes; Mounting: Compliance to IEC600068-2-6
SAFETY & EMC (Note 3)	WITHSTAND VOLTAGE	Terminal-Chassis :0.5KVAC, Relay Contacts-Terminal :0.5KVAC
	ISOLATION RESISTANCE	Terminal-Chassis :>100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55032 (CISPR32) Class B, EN61000-3-2,-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, heavy industry level, criteria A
OTHERS	MTBF	161.9K hrs min. MIL-HDBK-217F (25°ℂ)
	DIMENSION	55.5*125.2*100mm (W*H*D)
	PACKING	0.55Kg; 20pcs/12Kg/1.29CUFT
NOTE	 All parameters NOT specially mentioned are measured at rated load and 25°C of ambient temperature. Battery fail will only function at UPS mode with battery connected. Every 25 seconds, unit will send out test signal through "Battery Fail" relay contact and LED indicator once the battery is fail. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are been executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com) Battery charging will be in progress when DC input > battery voltage. DR-UPS40 will be in operation when DC input is applied at the beginning. 	



■ Suggested Application

1.Back up connection for AC interruption



 ${\bf 2. Combine\ redundancy\ module\ (DR-RDN20)\ to\ back\ up\ AC\ interruption\ or\ failure\ of\ PSU}$

