

For Axle Counters



- The DD835 is a highly versatile integrated power system which can be configured for a wide range of uses.
- The DD835 Axle Counter Power is a switch mode compact wall mountable unit

- Network Rail PADS approved
- Switch-mode design with low output ripple
- Universal AC input (88-264VAC)
- Internally fitted SLA batteries
- Temperature compensation
- DC volts and current metering
- Mains fail alarm contact
- Internal LED indicators (charging, charger fail and battery polarity incorrect)
- Rugged wall-mountable

INPUT

AC Voltage	: Universal 88-264VAC single-phase	
Current	: DD835-1	1.5A max
	: DD835-2	2.0A max
Frequency	: 45-55Hz	

OUTPUT

Current	: DD835-1	1.0A
	: DD835-2	1.8A
Current Limit	: DD835-1	1.5A
	: DD835-2	2.0A
Voltage Range	: 60.0VDC nominal	
	: 67.2VDC float at 20°C	
Regulation	: load and line <200mV	
Noise	: <7mV rms	
Output ripple	: <10mV at >0.5A	
Efficiency	: >85% @ 110VAC	
	: >90% @ 230VAC	
Battery	: 5 off 12V modules in series	
Battery Capacity	: DD835-1	1.2Ah
	: DD835-2	2.0Ah

VARIANTS

Duvine Ref:	Output	Battery	NR Cat No.
PRD-0835-1001	60VDC 1.5A	Internal 2 x 5Ah	086/001989
PRD-0835-1002	60VDC 2.0A	Internal 2 x 5Ah	086/001990

PROTECTION

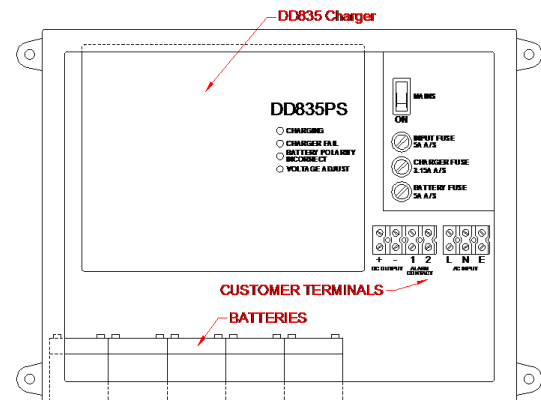
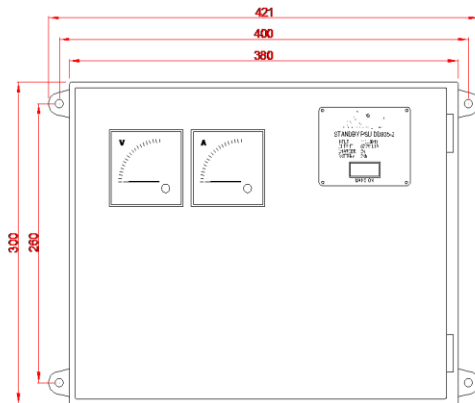
Input	MOV surge protection
	Short circuit protection
	Incorrect polarity sense
Temperature	Output power limiting

ENVIRONMENTAL/RELIABILITY

Dimensions	300mm High x 180mm Deep x 420mm Wide
Weight	10Kg approx
Temperature	-20°C to 60°C
Relative Humidity	85% to 35°C, 75% >35°C
Altitude	Up to 1500m above sea level
Cooling	Natural convection
IP Rating	IP66 to BS EN60905
Safety	BS EN60950
EMC	BS EN50121-5

MECHANICAL/ALARMS

Alarm	Mains fail
External Indicator	Mains present neon
External Meters	Output current
	Output voltage
Internal Indicator	Charging – Green LED
	Charger Fail – Red LED
	Battery polarity Incorrect – Red LED
Fuses	Input 5A anti-surge
	Charger 3.15A anti-surge
	Battery 5A anti-surge



ALSO SEE LARGER OPTIONS

DD820-1 60V 440-1320W N+1 Axle-Counter power supply