

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 Supply ??



- 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
 : DD825-2 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	086/001950
PRD-0835-1002	60VDC 2.0A	Internal 2 x 5Ah	086/001951

PROTECTION

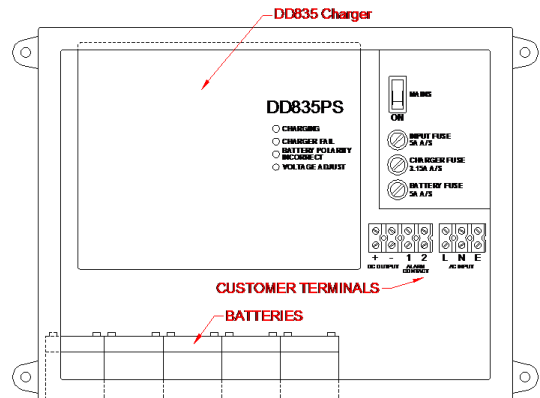
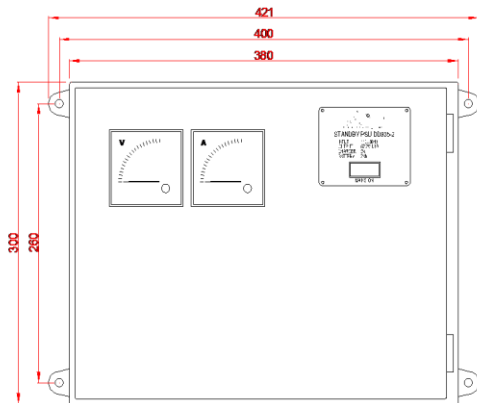
Input : MOV surge protection
 Short circuit protection
 Incorrect polarity sense
 Temperature : Output power limiting

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