

Road Safety Products

DLS240

45/55m

Available in
45 or 55 amps**Converter / Charger**

The DLS-240 Power Converter/Battery Charger from Boylan Group converts nominal 216-264 AC voltage to 13.4 DC voltage for both DC load operation and 12V battery charging.

As a power supply, the unit's tightly controlled regulation allows the user to operate a nominal 12VDC load up to 55 amps.

As a battery charger, the unit will maintain the battery, delivering its full-rated current when the battery capacity falls sufficiently low. The voltage is set to deliver its maximum current for the necessary period of time to minimize undue stress to the battery caused by heating of its cells. This helps to ensure the longest possible life

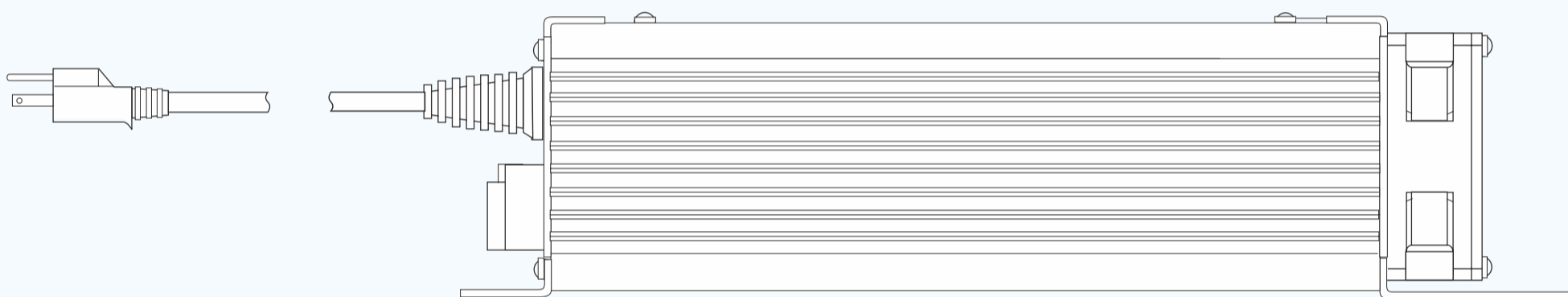
of the battery. Over time, as the battery nears its full capacity, the DLS-240-45 will automatically drop the current, providing a float-charge to the battery to prevent self-discharge of the cells.

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Features & Benefits

- Switch-mode technology
- Exceptionally clean DC output
- Tight line-load regulation
- Quickly and efficiently charges batteries
- Designed to withstand low transient AC line voltage
- Current limit and thermal/overload protection
- Lower operating temperature
- Quiet fan operation
- External reverse polarity fuse protection from incorrect battery connection
- High and normal-stage charging jack
- Compatible with IOTA IQ4 Charge Controller
- UL and CUL Listed

Specifications

	DLS-240-45	DLS-240-55
Output Amperage, Max Continuous	45 Amps	55 Amps
Output Voltage (Full Load) approx.	>13.4V (DC)	>13.4V (DC)
Maximum Power Output, Continuous	600 Watts	700 Watts
Input Voltage Range	216-264 AC	216-264 AC
Input Voltage Frequency	47-63	47-63
Maximum AC Current (@216Vac)	5.5 Amps	6.7 Amps
Typical Efficiency	>80%	>80%
Max Inrush Current, Single Cycle	30 Amps	30 Amps
Short Circuit Protection	Yes	Yes
Overload Protection	>100%	>100%
Line Regulation	100 mV rms	100 mV rms
Load Regulation	<1%	<1%
Fan Control	Proportional	Proportional
Thermal Protection	Yes	Yes
Working Temperature Range	0° - 40° C	0° - 40° C
Storage Temperature	-20° to 80° C	-20° to 80° C
Approximate Dimensions	246mm x 170mm x 86mm	246mm x 170mm x 86mm
Weight	2.27 Kg	2.27 Kg