INTRODUCING THE 86000W

The Pel 86000W Mains Energizer offers a powerful upgrade to the 863 model, for farmers that want a high performance energizer with an intuitive interface and reliable power delivery.

With Bluetooth and Wi-Fi compatibility, the Datamars Livestock Farm App provides the ability to monitor and control the energizer from a phone or tablet.

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SMART & POWERFUL

Powers up to 500 hectares

86 J maximum output energy

128 J stored energy

290 km multi-wire fence distance
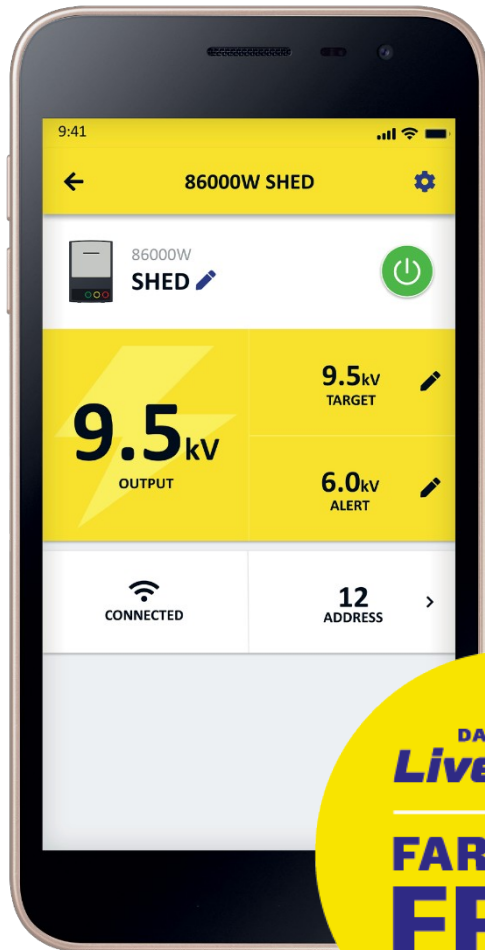
FEATURES & BENEFITS

Superior features

- Cyclic Wave™ provides continuous power right to the end of the fence.

- LED indicators show energizer output voltage for quick diagnostics.

- Capable of producing full output power from as low as 120 volts to accommodate fluctuating mains power input.

- Split bolt terminals allow multiple fence wires to be connected and the pin through design ensures a robust connection without needing to over-tighten.

Bluetooth & Wi-Fi enabled

- Connect with nearby energizer using Bluetooth to check voltage, turn on and off, and configure remote address
(Fence remote sold separately).

- Connect to energizer remotely over the internet to receive notifications when voltage drops. Check voltage remotely, and turn on and off remotely (Requires Wi-Fi network coverage).

120 - 240 V   CYCLIC WAVE™   BI-POLAR   REMOTE CAPABLE   VOLTAGE DISPLAY   BLUETOOTH ENABLED   WI-FI ENABLED   CONTROL WITH APP   3 YEAR WARRANTY

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MONITOR & CONTROL FROM YOUR PHONE

- Use the Datamars Livestock Farm App to connect to the energizer and see fence voltage in real-time, configure energizer settings, and connect the energizer to a Wi-Fi network.

- Once the energizer is connected to the internet, it sends a notification when fence voltage drops, so issues can be resolved quickly.

- If a fault is found on the fence line, the app can turn the energizer off and on, and checks that the voltage is back to normal.

STRONG & SUSTAINABLE RETAIL PRESENCE

The right packaging adds value to a customers purchase experience.

Made from cardboard, the 86000W outer packaging offers a sustainable solution that can be recycled.

Bold and eye catching, with clear features and benefits.

SPECIFICATIONS

Feature	Specifications
Product size (W x H x D)	350 mm x 530 mm x 200 mm
Shipper carton size (W x H x D)	375 mm x 550 mm x 200 mm
Product weight	12.3 kg
Shipper carton weight	12.6 kg
(Energizers are supplied packaged in a printed carton within a shipper carton, 1 unit per shipper carton)	
Safety standard compliance	IEC 60335-2-76 with IEC 60335-1 (International) AS/NZ 60335.2.76 with AS/NZ 60335.1 (Australia / New Zealand)
EMC standard compliance	AS/NZS CISPR 14.1
Ingress protection category	IP44
Operating temperature	-15 to 50˚C (5 to 122˚F)
Rated input voltage	120–240 V 50-60 Hz
Rated input power	85 W
Stored energy	128 J
Maximum output energy	86 J @ 33 Ω
Typical output voltage performance	Open circuit terminals: up to 10,000 V Standard load (100 Ω): up to 10,000 V Heavy load (25 Ω): up to 6,800 V
Minimum number of earth rods (varies depending on earth conditions)	12

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PRODUCT DESCRIPTION

Description	Product code	Barcode
880 0010-972	**Pel 86000W Mains Energizer**	**9414731443837**
REPLACES:		
880 0009-289	Pel 863R Mains Energizer	9414731406023
880 0009-288	Pel 863RS Mains Energizer	9414731406016

REPLACES: Pel 863R and 863RS

FAQs

Will the 86000W need a Wi-Fi network in the vicinity to connect to the internet?
Yes, the 86000W needs to be installed in a location with a Wi-Fi signal to be able to connect to the internet.

How do I setup a Wi-Fi network in the vicinity of the 86000W?
Your nearest Telco provider should be able to set you up with a Wi-Fi network. This can easily be done with a cellular to Wi-Fi powered dongle that can be installed close to the 86000W.

Does my phone have to be on the same Wi-Fi network to be able to monitor and control a Wi-Fi connected 86000W?
No, as long as your phone has internet access you will be able to monitor and control your Wi-Fi connected 86000W. This means your phone can be connected through cellular data or a different Wi-Fi network.

Can the 86000W be mounted on the same screws as my current 863R?
No, to handle the extra weight of the 86000W the mounting hole locations differ to the 863R and it is advisable that the 4 x wood screws, provided with the 86000W, are used. A mounting template is provided to make it easy to locate the wood screws.

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FAQs

Can the unit be mounted in landscape orientation?
It is highly advisable that the unit is mounted in the portrait orientation using the wood screws provided.

Do I need to bend the fence lead-out wire around the output terminals?
No, the design of the terminals do not require the lead-out wire to be bent around the terminal. The internal pin of the terminal knob ensures a robust connection through the centre of the terminal.

Bi-polar fence configuration is applicable with this unit, where can I go to find out more information on how to set this up?
The product's user manual shows how to configure a bi-polar fence and the benefits of doing so.

Does the 86000W have lightning protection?
There is internal lightning protection built into the 86000W. The 86000W's terminal have the added benefit of being user replaceable if external damage is caused by lightning.

There are a lot of mains brown-outs in my area, will the 86000W be able to operate in brown-out conditions?
Yes, the 86000W is able to operate normally down to 120 V.

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