

USER MANUAL

FENCE ENERGIZER

TECHNICAL DATA				
Model on.	FC030-S	FC050-S	FC080-S	FC120-S
Discharge Energy	0.3J	0.5J	0.8J	1.2J
Output Voltage	8KV±1.5KV	8KV±1.5KV	8KV±1.5KV	8KV±1.5KV
Load Capacity	2000V/500Ω	2000V/500Ω	2000V/500Ω	2000V/500Ω
Fence Length	up to 8km	up to 10km	up to 15km	up to 20km
Battery	10400mAh Li-ion battery	10400mAh Li-ion battery	10400mAh Li-ion battery	10400mAh Li-ion battery
Charger	5V 1A	5V 1A	5V 1A	5V 1A
Dimensions	205*92*266mm	205*92*266mm	205*92*266mm	205*92*266mm
Weight	1.85kg	2.25kg	2.65kg	3.05kg
Working time	10 Day	9 Day	8 Day	7 Day
For long time outdoor use, you are advised to choose solar charging panel model .				



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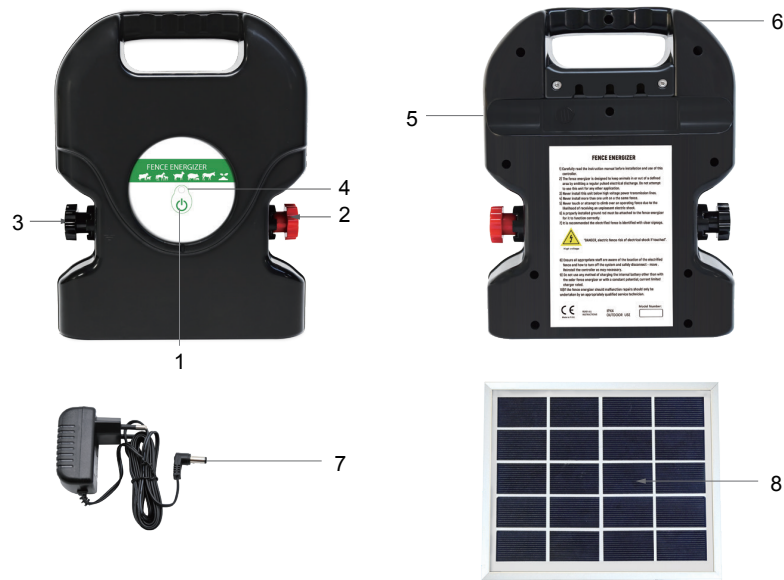
Tel: 0571-86296326

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WARNING: READ ALL INSTRUCTIONS

PARTS OF THE ENERGIZER



- | | |
|---------------------------------|-----------------------------|
| 1 Power button | 5 Charging inlet |
| 2 Fence output terminal (red) | 6 handle |
| 3 Fence ground terminal (green) | 7 Charger (5V 1A) |
| 4 High voltage pulse indicator | 8 Solar panels (optional) |

Key to symbols on the unit



Fence ground terminal. Connect the fence ground terminal to the ground system



Fence output terminal. Connect the fence output terminal to the fence.



Risk of electric shock! This unit should be opened or repaired only by qualified personnel. No user serviceable parts.



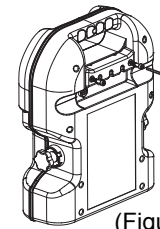
Read full instructions before use.



This unit must NOT be disposed of with other normal waste. Instead, it is your responsibility to dispose of it correctly by handing it over to a local authority responsible for collecting electrical and electronic equipment waste.

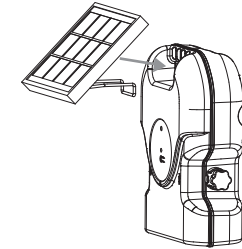
Mounting Steps for Solar Panel:

1、 Making use of the L shape wrench to open the mounting rack under the handle at the back side of the generator. (Figure 1).



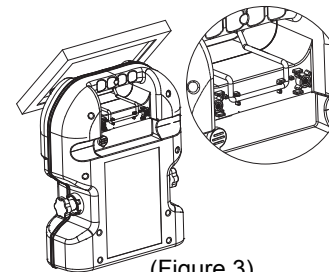
(Figure 1)

2、 Open the solar panel bracket and ensure the bracket go through the hole under handle, (Figure 2)



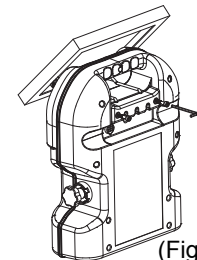
(Figure 2)

3、 Fixed the solar panel bracket on the slots under mounting rack (Figure 3)



(Figure 3)

4、 Assemble the mounting rack back, and insert the solar panel cord into DC charging port, the solar panel finished mounting (Figure 4)



(Figure 4)

Positioning the unit

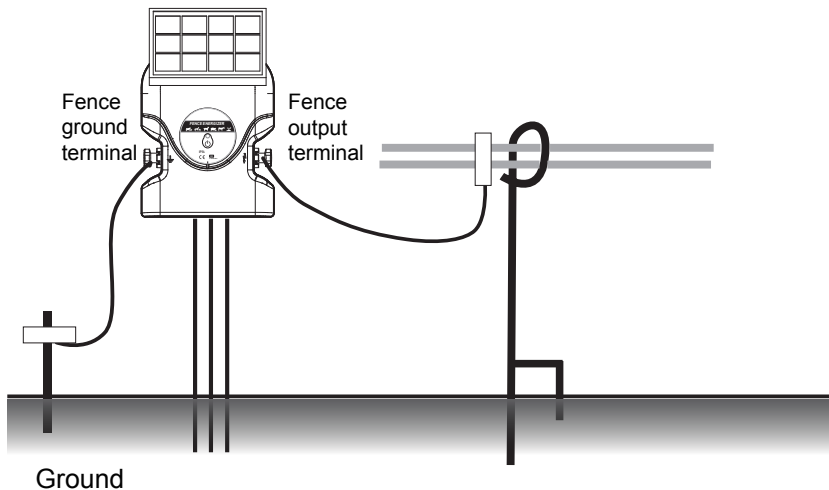
Install the unit:

- adjacent to the electric fence.
- preferably in the middle of the electric fence.
- where it will receive the most daily sun throughout the season.
- where a good ground connection can be obtained
- on firm soil away from flooding and out of reach of animals and children (inside a protective fence, if required)
- Face the unit's solar panel towards the midday (12.00 pm) sun -true north in the southern hemisphere and true south in the northern hemisphere.

Connecting to an electric fence

- 1、 Push a 1m (3'3'') earth rod fully into firm ground .
- 2、 Connect the black lead from the Fence earth terminal \perp on the energizer to the earthing system.
- 3、 Connect the red lead from the Fence output terminal ⚡ on the energizer to the fence. Make sure there is a good contact.

Caution! Make sure the connecting leads drop downwards from the unit to prevent water from collecting at the terminals



Operation

Note: Before using the unit for the first time, expose the solar panel to sunlight for at least three days with the switch in the 'off' position. This will ensure the battery is fully charged, ready for use.

Switching on and off

- 1、 To switch on, press  on the On/Off switch
- 2、 To switch off, press  on the On/Off switch.

Pulse indicator light

The pulse indicator light flashes once for each output pulse

Safety considerations

Warning!

- Do not connect to line-operated equipment.
- Switch the unit off before installation or performing any work on the fence.
- Before using this product, read all the safety considerations carefully.
- Check your installation to ensure that it complies with all local safety regulations
- Do not connect simultaneously to a fence and to any other device such as a cattle trainer or a poultry trainer. Otherwise, lightning striking your fence will be conducted to all other devices.

Hazards

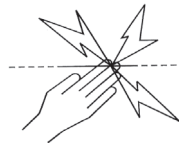
- ✗ Do not climb through or under an electric fence. If it is necessary to cross an electric fence use a gate or specially designed crossing point.
- ✗ Do not allow young or infirm persons to use this unit without supervision. Do not allow young children to play with this unit or near an electric fence or electrified wires
- ✗ Do not electrify barbed wire.
- ✗ Do not support off-set electrified wires less than 6" (150 mm) from a barbed wire fence.
- ✗ Do not electrify any fence construction which could lead to entanglement of persons or animals. We recommend for instance, that no more than one electrified off-set wire be supported on either side of a barbed wire or mesh fence.
- ✗ Do not supply an electric fence from two units.
- ✗ Do not allow electrified wires from two units on the same or adjacent properties to be less than 6'6" (2 m) apart.
- ✗ Do not place the unit's ground electrode within 33' (10 m) of any part of a power supply ground system or telecommunications ground system.
- ✗ Do not run electric fence wires above or close to overhead power or communication lines

Duty to the public

A warning sign shall be fitted to every point where persons may gain ready access to the conductors. Where an electric animal fence crosses a public pathway, a non-electrified gate shall be incorporated in the electric animal fence at that point or a crossing by means of stiles shall be provided. At any such crossing, the adjacent electrified wires shall carry warning signs.

Any part of an electric animal fence that is installed along a public road or pathway shall be identified at frequent intervals by warning signs securely fastened to the fence posts or firmly clamped to the fence wires.

- The size of the warning sign shall be at least 4x8" (100x200 mm)
- The background colour of both sides of the warning sign shall be yellow.
- The inscription on the sign shall be black and shall be either: or the substance of "CAUTION: Electric fence"



- The inscription shall be indelible, inscribed on both sides of the warning sign and have a height of at least 1" (25 mm).

Pulse indicator light

Unit/Charger/Energizer - An appliance that is intended to periodically deliver voltage impulses to a fence connected to it

Fence-A barrier for animals or for the purpose of security, comprising one or more conductors such as metal wires, rods or rails

Electric fence-A barrier which includes one or more electric conductors, insulated from ground, to which electric pulses are applied by a unit

Ground electrode-Metal structure that is driven into the soil near a unit and connected electrically to the Fence ground terminal of the unit, and that is independent of other grounding arrangements.

Connecting lead- An electric conductor, used to connect the unit to the electric fence or the ground electrode.

Run time extension

The output pulse speed varies according to the battery charge level:

Battery charge level Typical pulse rate

Normal A pulse every 1.5 seconds

Low A pulse every 3 seconds

Protection from the weather shall be provided for the ancillary equipment unless this equipment is certified by the manufacturer as being suitable for use outdoors, and is of a type with a minimum degree of protection IP54

Troubleshooting

Problem	Action
The pulse indicator light is flashing, but the electric shock delivered by the fence is weak.	<p>Check that all connections in the fence and ground system are firm and secure. If necessary, clean away any corrosion</p> <p>Check that the ground rod is pushed firmly into firm ground</p> <p>Check for faults in the fence-line caused by trees or vegetation. If necessary, remove obstructions and mend the fence.</p> <p>Check that the unit (charger) rating is adequate for the length of the fence. If necessary, reduce the length of the fence or reduce the number of fence wires. Alternatively, divide the fence-line into smaller zones, with each zone powered by a separate unit.</p>
The pulse indicator light is flashing, but the electric shock delivered by the fence is weak.	<p>Check that the unit is switched on.</p> <p>If there has been insufficient sunlight to charge the battery the unit may be in Standby mode. Charge the battery by placing the unit in full sunlight with the solar panel facing true south in the northern hemisphere and true north in the southern hemisphere.</p> <p>It can be charged using the 7.5V 1A charger configured with this product.</p>

Note: Always use the charging accessories to charge the product, i.e. the dedicated adapter and USB cable; otherwise it may damage the product and bring risks to personal safety.