

HYmini ™
GREEN POWER IS IN YOUR HAND



INSTRUCTION MANUAL v2.1

MW_PB01

PORTABLE POWER BANK + UNIVERSAL ADAPTOR
+ WIND POWERED GENERATOR

A revolutionary way of capturing renewable power for your handheld devices

- 1.** With HYmini, all you need to carry is one charger for most of your 5V handheld wireless devices. There is no need to carry extra power sources. A 1200mAh lithium ion polymer rechargeable battery is built into the unit.
- 2.** HYmini is universally adaptable for your mobile devices. A USB transfer cable and mobile phone adaptors are included. MP3 player, iPod¹, PDA, digital camera, and other 5V handheld devices can be charged with original manufacturer USB or aftermarket USB cables.
- 3.** No additional software is required.
- 4.** HYmini is a lightweight, handheld, and compact green portable power bank.
- 5.** HYmini can be securely fastened onto your arms, bicycle handle bar, motor bike and automobile window, so that you can charge HYmini in motion.

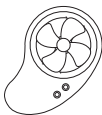
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MINIWIZ Sustainable Energy Development Ltd.

US & International registered patent pending #11744480

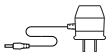
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■ BEFORE USING HYmini

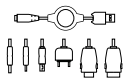
your HYmini package includes the following components :



HYmini
Portable power bank
universal adaptor
wind powered generator



AC/DC power adaptor
North American/Japanese 2-pin



USB transfer cable
& 6 connectors
Nokia / Motorola /
Sony Ericsson /
Samsung / LG

GETTING STARTED

Step 1: Charge your HYmini with the included 100~240V wall plug adaptor by inserting the adaptor's connector into HYmini's DC jack until charge indicator turns green. Step 1 is highly recommended for the first time (approx.4 hours).

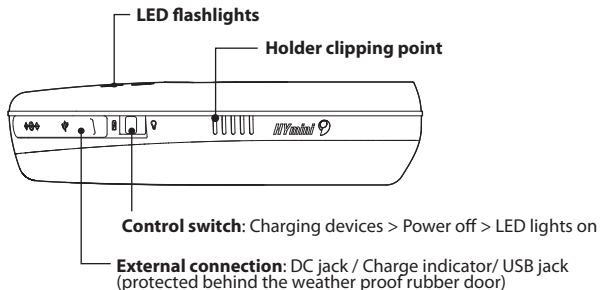
Step 2: HYmini is now ready to charge your other 5V* handheld devices through its USB 2.0 outlet. Insert USB transfer cable provided in the box to connect HYmini and your mobile phone. Shift the switch to "charge" position to charge your mobile phone. An original manufacture USB or aftermarket USB cable can be used to charge your other handheld devices.

Step 3: HYmini can be used as a wall plug charging adaptor** for many of your handheld devices. First, connect the wall plug adaptor into HYmini's DC jack. Then, use the USB transfer cable to connect your mobile devices with HYmini's USB 2.0 outlet. Shift the switch to "charge" position (battery icon) to begin charging.

*5 V digital device includes: mobile phone, mp3, iPod®, PDA, digital camera, other handheld devices.




**universal power outputs USB 2.0 output @ 5V adaptive 200mA to 850mA depends on devices.




HYmini INTRODUCTION



HYmini CONTROLS

   Position the switch to light icon to use **"LED flashlight"**

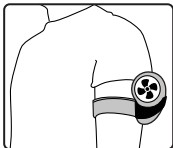
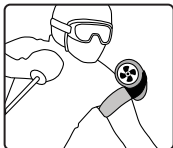
   Position the switch in the middle to **"turn off"** charge function

   Position the switch to battery icon to **"charge devices"**

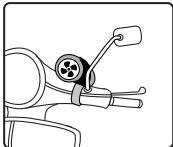
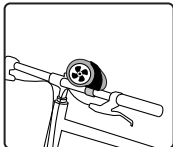
* You can charge HYmini™ with mini wind generator and miniSOLAR panel during discharge and LED flashlight functions.

HYmini's HANDS-FREE ACCESSORY KITS

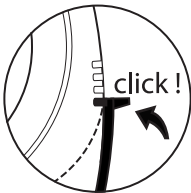
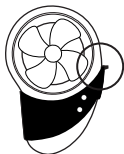
(sold separately)



Armband kit



Bike holder kit



NOTE: Fasten your HYmini with specially designed holder during active wind charging.
Be sure to lock your HYmini into its clipping point.

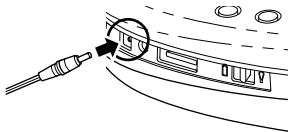
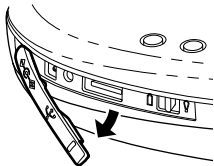
■ CHARGING THE DEVICE

A. USING 100~240V AC TO DC POWER

1. Using the AC-DC adaptor provided in the box, connect HYmini to a 100~240V wall electrical outlet through the DC input jack. An indicator on the side, adjacent to the USB outlet, turns red when the device is charging. Once the indicator turns green, it the internal battery has completed charging. Note that a safety control circuit protects the device from being overcharged.

2. You can also charge HYmini using other DC inputs, including hand crank generators, and PC or laptop computer USB cable outlets.

NOTE: Be sure that the input current is LESS than 1A or 1000mA and 5V max.



B. USING BUILT-IN WIND GENERATOR

1. To activate the fan and to attain enough power to charge HYmini, a wind speed of at least 9 mph is required. When the device is charged by wind power, a green light adjacent to the fan will turn on to indicate that the internal battery of the device is charging.

2. The higher the wind speed, the more power will be generated and stored in the internal battery. Please note that a consistent voltage, preferably higher voltage, is required for an efficient charge-in rate. Wind speed of 15 mph and above (40 mph max) with an extended period of exposure is ideal for efficient charging.

3. HYmini's turbine is designed to be impact-safe and removable.

NOTE: When charging with a completely empty battery (when the LED cannot be turned on), the device will take longer to charge. Charge-in efficiency will dramatically increase with at least 20% residual capacity stored in HYmini's internal battery. In other words, it is not recommended to solely rely on the wind generator to fully charge HYmini when its internal battery is completely emptied.

C. USING miniSOLAR PANEL (sold separately)

1. Connect the HYmini wind unit to the miniSOLAR panel through DC input jack, and place the solar panel in a position where it can absorb radiation.
2. The side indicator turns red when enough sun or light power is converted into electrical current and stored in the device's internal battery. The indicator on the side turns green when HYmini's internal battery completes charging. The built-in safety control circuit protects HYmini from being overcharged.
3. To link two or more solar batteries together, you can connect multiple panels by linking the female DC jacks one.

NOTE: Power converted by multiple miniSOLAR panel is cumulative, therefore, the more panels you have the more power is stored. The efficiency is greatly increased with full direct sun. Solar panels are to be purchased separately at additional cost.

NOTE: You can increase capacity by linking up to 4 panels.

■ WARRANTY INFORMATION

60-DAY LIMITED WARRANTY

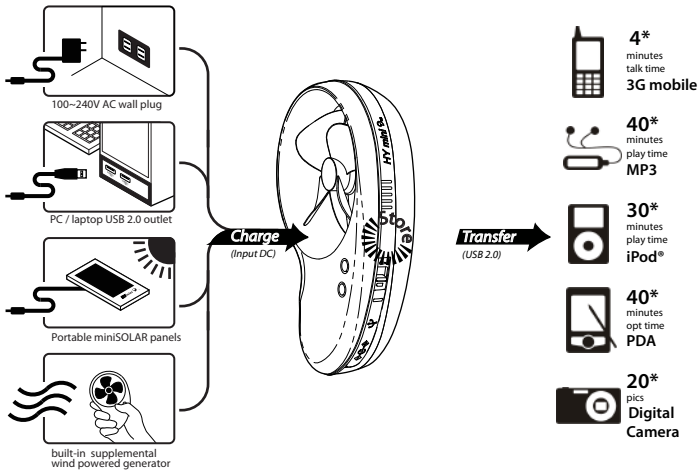
MINIWIZ S.E.D. LTD warrants HYmini products against any defect due to faulty material or workmanship for a 60-day period after the original date of consumer purchase shipments. This warranty does not cover cosmetic or damage due to acts of God, misuse, abuse, negligence, commercial use, modification of, or to any part of the product. This warranty does not cover damages due to improper operation or maintenance. If the product should become defective within the warranty period, MINIWIZ will repair it or choose to replace it free of charge.

HYmini products are warranted by MINIWIZ for 60 days. You may return the defective Products purchased directly from HYmini Online Store within 60 days following the date of shipment by MINIWIZ for a new product replacement. To get a new product replacement, you must obtain a Return Merchandise Authorization number (RMA no.) and a RMA form from us first. You must complete the RMA form with the RMA no. issued to you, and return your product at the specified return address in order to get a replacement. The RMA no., RMA form, and return address can be obtained from HYmini Online Store Customer Support at support@hymini.com. Please note on the outside of the returned Product container that it is a return for MINIWIZ.

MINIWIZ will replace the returned Product with a new replacement unit within 60 days. No replacement unit will be shipped until after the defective Product is returned, received and inspected by HYmini support team. If you return a Product to MINIWIZ (1) without a complete RMA form and RMA no. from MINIWIZ, (2) beyond the 60 day period, (3) without proper packaging, (4) without all parts and accessories, or (5) with no visible and functional manufacturing defects, MINIWIZ reserves the right to either refuse delivery of the replacement Product or charge you with a restocking fee.

For questions regarding our return policy, please contact us at support@hymini.com

■ MULTIPLE POWER INPUT & OUPUT & WIND OUTPUT DATA REFERENCE



*The data is based on 20 minutes uninterrupted 19 mph wind tunnel test.

**Wall plug and miniSOLAR panel can fully charge HYmini's internal battery.

■ CAUTION

Carrying HYmini

HYmini contains delicate components. Do not bend, drop, or crush HYmini units.

Using DC ports

Never force a connector into a port. Make sure that the connector matches the port, and that you have positioned the connector correctly in relation to the port.

Keep HYmini within acceptable temperatures

Battery life might be affected in extreme temperature conditions. Always keep HYmini between -20°C and 45°C. Avoid fire and high heat condition.

Charging HYmini

To charge HYmini, use only the 5V DC output charging devices less than 1A. Read safety instructions for all products and accessories before using with HYmini. MINIWIZ is not responsible for the operation of third party accessories or their compliance with safety and regulatory standards. HYmini and its adaptor may become warm during normal use. Always allow adequate ventilation around HYmini.

Avoiding water and wet locations

Avoid using HYmini in the rain, near washbasins, or other wet locations. Do not attempt to dry HYmini devices with an external heat source such as hair dryer, radiator, or oven.

Charging safely with hands-free holders

Keep your eyes on the road or slope. If you decide to use HYmini to capture wind or sun energy while driving, skiing, boating or biking, etc., please use HYmini's convenient hands-free holders and clips.

Choking Hazards

HYmini contains small parts, which may present a choking hazard to small children. Keep HYmini and its accessories away from small children.

Do not throw in trash

The built-in lithium-ion battery can be recycled. Please find the nearest recycling location in your area.

■ TECHNICAL SPECIFICATION

Size: Height 5.4 inches/width 3.4 inches/depth 1.3 inches

Weight: 3.5 ounces or 100g approximately

built-in 1200mAh lithium-ion polymer rechargeable battery

Input current: less than 1A or 1000mA and 5V max

The charging rate for wind: 9mph min ~ 40mph max

Multiple power inputs

- Conventional 100~240V AC adaptor

- PC / laptop USB 2.0 outlet

- HYmini portable miniSOLAR panels (sold separately)

- Built-in supplemental wind powered generator. (Input voltage and current varied with different wind speed and battery loading conditions.)

NOTE: Due to safety concerns for the lithium-ion battery, charge-in voltage and current are limited.

Universal power outputs

- USB 2.0 output at 5V adaptive 200mA ~ 850mA depending on devices

- Common 5V digital devices include mobile phone, MP3 player, iPod¹, PDA, digital camera, etc. (Recharge mobile device time via USB is about 1-2 hours depending on devices)

USB adaptor mobile phone support lists

Nokia²: 3230, 3250, 6101, 6192, 6103, 6111, 6131, 6170, 6233, 6270, 6280, 6300, N70, N80, N90, N91, N92 / **Motorola**³: V3 V3i, U6, A668, E770, E680, E680i, E375, MPX200, E1070, L6 / **Sony Ericsson**⁴: Z520i, Z530i, K510i, K600i, K608i, W700i, K750i, W800i, W810i, W810i, W900i, W550i, W300i / **Samsung**⁵: A580, A630, A800, A850, A900, A920, A930, A940, A950, A960, A970, T209, T309, T319, T609, N200, N400, N625, X495, X496, X497, X507, ZX10, C207, D307, D357, V200, V205, V206, E635, A790, A795, D347, D407 / **LG**⁶: U8110/U8120/U8130/U8138/U8150/U8180/U8290/U8330 or compatible model

NOTE: HYmini may be compatible with many more other models or handheld devices that are not listed, please check on www.hymini.com for latest information.

Referenced Trademarks

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³.Sony Ericsson is a registered trademark of Sony Ericsson Mobile Com. AB in the U.S.A. or other countries.

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- * All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- * Product colors and accessories are subject to change without notice.
- * MINIWIZ accepts no responsibility for damages of other devices when charging by HYmini.

MINIWIZ Sustainable Energy Development Ltd.

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