

Hello Operators.

We've been talking about portable power for ham radio for quite some time. We've designed and built large capacity solar generators on teh channel, and smaller LiFePO4 batteries and solar generators to augment radios like the I>C-7300 and FT-891 during portable ops.

The video discusses a shift in operating methodology, and a move back towards lightweight and efficient field radio. With the new range of extremely efficient QRP rigs and amplifiers available, the portable radio operator can truly have FAST field communications capabilities, without being weighed down by manpacks and battery packs.

Here are links to the current video, topic playlist, and videos already published on the topic. :

How to solar power your portable ham radio playlist:

<https://youtube.com/playlist?list=PLKMrdrsNkFA685wIKs32CcO9I7vM0V-SH>

- EP01 Solar Power for Portable Ham Radio: <https://youtu.be/CAUamTA9G90>
- EP01 A DIY LiFePO4 battery for Ham Radio: https://youtu.be/YgKE8C_V1Y0
- EP02 Pocket Portable Solar Generator Ham Radio : <https://youtu.be/HgQ3m6rzJko>

Notes & info on the FAST pack:

<https://oh8stn.org/blog/2022/07/18/diy-lifepo4-battery-pocket-portable/>

One of the videos in the series introduced a FAST field deployment battery pack. When integrated with a charge controller, power distribution and solar panel, this becomes a pocket portable solar generator.

Here are links to both variants.

Pocket Portable Solar Generator

- **Genasun GV5L:** <http://oh8stn.net/GigaPartsGV5L>
(use my callsign for discount)
- **PowerFilm 60-Watt Folding:** <http://oh8stn.net/GigaPartsPF60Watt>
(use my callsign for discount)
- **3ah LiFePO4 Battery:** <http://oh8stn.net/GigaParts3ahLiFePO4>
(use my callsign for discount)

Parts List for diy version of the FAST FD battery pack

- **K2 26650 LiFePO4 Cells** <http://oh8stn.net/26650lifepo4>
(use my callsign for discount)
- **26650 Battery Holders** <https://ebay.us/wMm6zl>
- **Battery Spot welder** <https://ebay.us/X7MNoo>
- **4S LiFePO4 BMS** <https://ebay.us/vi1NfB>

[If you are interested in the history of batteries and solar generators on teh channel, take a look at this playlist:](#)

https://www.youtube.com/watch?v=YgKE8C_V1Y0&list=PLKMrdrsNkFA43q0POuXM-5-49yOd3t4CP

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Like to support the channel?

You can by shopping on ebay, at battery hookups or GigaParts.

For GigaParts and Battery Hookup, use my callsign for a small discount.

Alternatively, drop a little something in the TipJar

- GigaParts: <https://oh8stn.net/GigaParts>
- Battery Hookup: <https://oh8stn.net/batteryhookup>
- eBay: <https://oh8stn.net/ebay>
- TipJar <https://oh8stn.net/TipJar>