



SOLDIER-PORTABLE FLEXIBLE PHOTOVOLTAIC (PV) SOLUTIONS | STEFD

FLEXIBLE PHOTOVOLTAIC (PV) POWER IN A COMPACT FORM:

The foldable series of PowerFilm® solar panels is ideal when you need a lightweight, low cube, silent, reliable source of power in the field. With power outputs ranging from 5 watts to 60 watts at full sun, and available in either 12vdc (standard) or 24vdc (optional) configurations, the foldable series is perfect for powering smaller electrical loads. Uses range from recharging of batteries, to powering laptops, GPS units, radios, and the like. Multiple individual foldable units can be daisy-chained together to charge the Balance of Systems (BOS) unit, or for direct power of larger DC based electrical loads.



Power (watts)	Operating Current (Amps)	Weight (lbs/kg)	Folded Dimensions (in/mm)	Unfolded Dimensions (in/mm)
5	.3	.48 / .22	5.7×4.5×1 / 145×114×26	25.5×11.5 / 635×292
10	.6	.73 / .33	10.5×3.5×1.3 / 267×89×33	23.7×21 / 602×533
20	1.2	1.27 / .58	11×6.5×1 / 279×165×26	30×31.7 / 762×805
30	1.8	1.76 / .8	11×9.5×1 / 279×241×26	41.3×31.7 / 1049×805
60	3.6	3.19 / 1.45	11×9.5×2 / 279×241×51	59×43 / 1499×1092

ROLLABLE UNITS:

- **Output:** 5 watt, 10 watt, 20 watt @ 15.4 vdc
- **Weight:** .6 lb / 1 lb / 1.6 lb
- Rugged Encapsulant
- Waterproof & Dustproof
- Available in Desert Tan and Woodland Green Substrate



AA BATTERY CHARGER:

- Soldier unfolds the charger, puts either 2 or 4 batteries that need to be recharged into the charger's integral AA battery holder, and lays the unit out so that the PV faces the sun
- Each battery charger kit contains; 4 rechargeable batteries, easy to read user's manual, illustration based Quick Start Guide
- Very lightweight: 3.4 oz w/o batteries, 7.2 oz w/ batteries
- Charges 4 batteries in ~8 hours



BB2590 / BB390 INTELLIGENT BATTERY CHARGER:

- Less 1 lb. for charger, approximately 4 lbs. system weight with 60 watt foldable
- High efficiency charging algorithm
- Charge either BB2590 or BB390 with no user selection needed
- Micro-processor controlled
- Successful field evaluation completed



POINT OF CONTACT:

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