

Solar Panel Phone Charging Stations for Ukraine

Project Budget

Item	Quantity Needed	Price per item	Total for Line Item
36 panel solar panel	20	0 (donated)	0
12 volt to 5 volt converter with 4 USB ports	20	12.99	\$259.80
Silicone adhesive	20	6.28	\$125.60
Wire nuts	One pack of 600	\$16.98	\$16.98
Electrical Tape	Six rolls	12.59	12.59
Permanent Markers	Box of 72	54.94	54.94
Small Folding Table (used as a stand)	20	\$20.75	\$415.00
Shipping tape	One pack of 6 rolls	\$13.79	\$13.79
Bubble wrap (25 ft x 12" per panel)	three rolls of 175 ft	\$22.19	\$66.57
Shipping boxes	One box of 20	\$116.99	\$116.99
TOTAL EXPECTED COST FOR MATERIALS:			\$1,082.26
TOTAL EXPECTED COST FOR SHIPPING (\$264.80 each):			\$5,296.00
TOTAL COST OF PROJECT:			\$6,378.26

**We are planning to make 20 of these units- prices based on manufacturing and shipping 20 units to the club in Ukraine

Shipping Calculation:

Each 36 cell (60 watt) solar panel will weigh between 12 and 20 pounds, depending on the manufacturer. We add in the weight from the folding table (2.89 lbs), the USB port device, glue, bubble wrap, etc (5 lbs at most)- we are looking at between 16 and 28 lbs per unit.

Shipping estimate is for a box 36" x 24" x 5" that weighs 28 pounds, from 82443 to Kyiv, Ukraine 01001. Shipping costs will vary greatly, so I hope this is a high estimate. I only budgeted one way shipping, assuming we will be able to drive to pick up any solar panels to be converted, and that the fuel and mileage for that would be donated.