

Details of the Proposal

No new proposals.

SGEF Grant Application Form

Fields marked with * are required and must adhere to any word limits indicated.

Section 1: Summary Information

* Project Title:	ARGOS STUDENT FOOD SERVICE COURTYARD
* Duration (months):	ONE
* Total Budget (\$):	\$11,010
* Requested SGEF Funds (\$):	\$11,010
* Matching Funds (\$):	0
* Proposed Starting Date:	APRIL 2016

Section 2: Applicant Information

	Full Name	Unit/Department	Phone	Email
* Principal Investigator	WALTER PESTRAK	H & RH	4-6172	wpestrak@usf.edu
Investigator 1				
Investigator 2				
Investigator 3				
Investigator 4				

Section 3: Project Description

* Project background and purpose (reasons motivating request) (Max 500 words)

INSTALL PRE-FABRICATED SOLAR COLLECTOR UMBRELLAS (6)

* Project activities (Max 250 words)

PLACE EACH UMBRELLA IN EACH OF 6 TABLES

* Project results (Max 500 words)

RECHARGING STATIONS (3) AT EACH TABLE (USB PORTS)

* Annual Energy Savings kWh

Annual Cost Savings \$0.00

Return of Investment in % 0.00

Annual Green House Gas Reduction 0.00

* Project Sustainability (Max 200 words)

PROVIDES RECHARGING OF CELL PHONES & COMPUTERS WITHOUT ELECTRICITY USE

Section 4: Workplan and Budget Details

* Detailed work plan/schedule of activities (Max 250 words)

SIMPLE INSTALLATION AFTER PURCHASE

* Budget breakdown

Charge Up

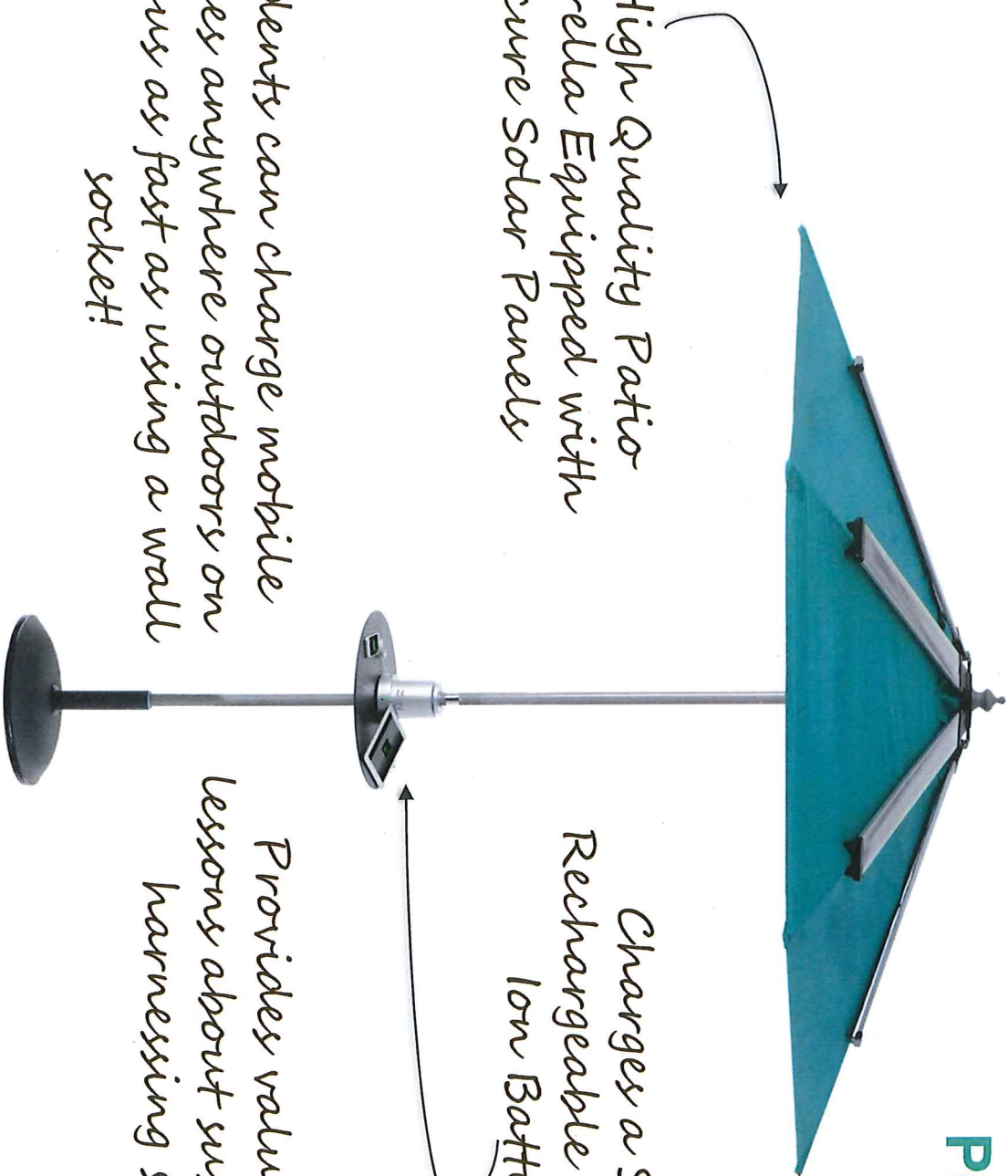
ZON™



Powersol™ Outdoor Solar Powered Charging Station!

ZON™

Powersol™



A High Quality Patio
Umbrella Equipped with
secure Solar Panels

Charges a Smart
Rechargeable Lithium
Ion Battery

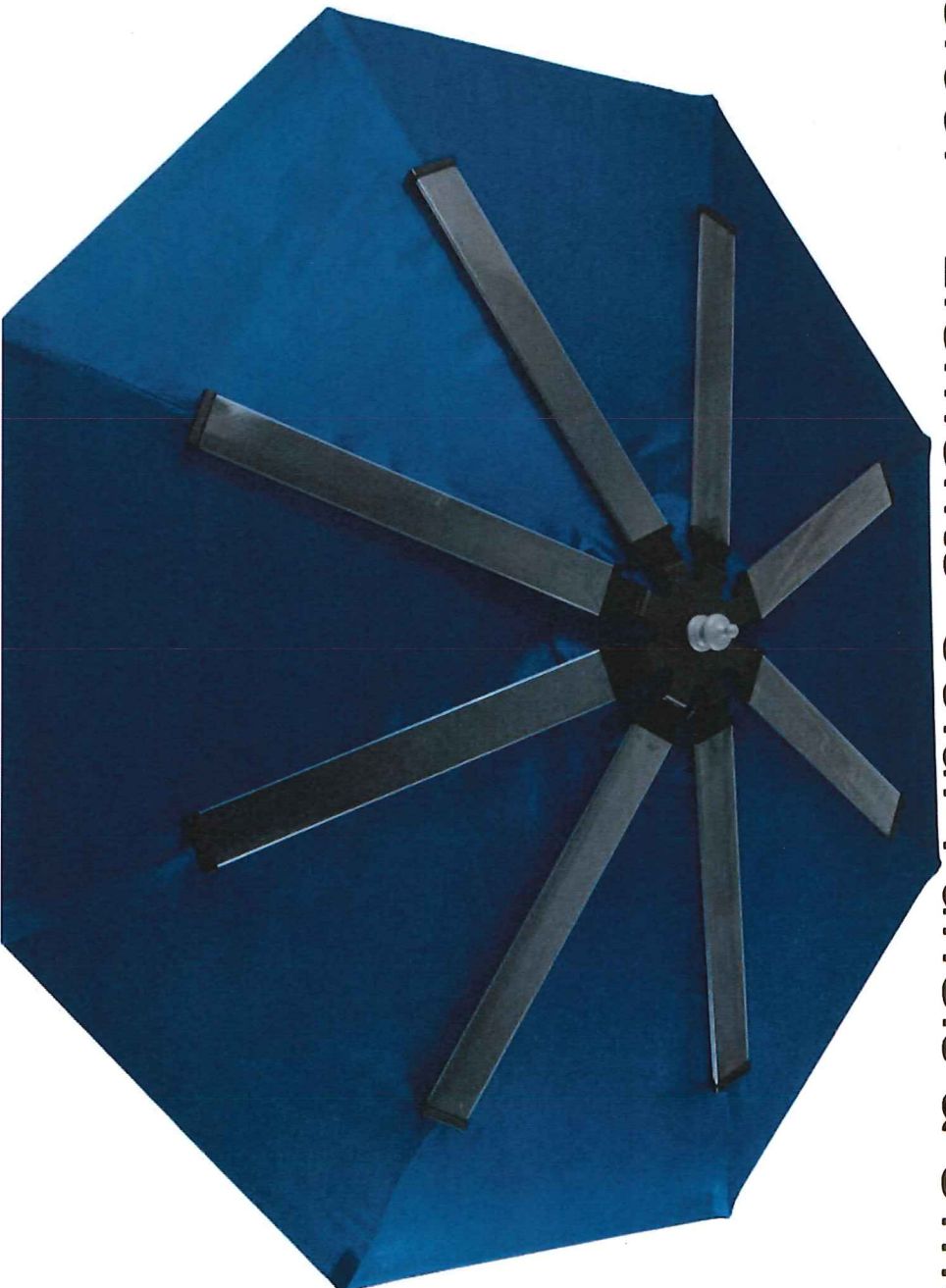
Students can charge mobile
devices anywhere outdoors on
campus as fast as using a wall
socket!

Provides valuable, relevant
lessons about sustainability and
harnessing solar energy!



ZON™

Powersol™ Elements- Solar Panels & Umbrella



- 8 Solar Sleeves generate 54 Watts
- Solar panels charge Smart Hub Charger
- Use with Existing Patio Tables
- Quality Frame Construction
- Durable Marine Grade Fabric- 10 YR WTY
- Standard 9' Patio Umbrella Design

Charge Up

ZON™

Powersol™ Elements- Smart Hub Charger



- 3 weatherproof USB charge ports
- LED Charging Indicator
- Lithium Ion Battery Rating: 7.4v at 22ah
- Intelligent USB Charging Ports: ID's device, shuts off once charged to preserve power
- Stored power- Charge Day or Night

Charge Up

ZON™

Powersol™ Elements- Smart Hub Charger



- Sustainable energy powered by the sun
- Provide charging outdoors at an affordable cost- much less than installing outdoor outlets
- Uses Recyclable Lithium Ion batteries
- Charges as fast as a wall socket charge
- All elements are weatherproof (IP55)



Put your campus energy sustainability goals and education into practice!

- 5.5 hours of sun fully charges the Smart Hub*
- Simultaneously charge 3 devices as fast as a wall socket
- 16 hours simultaneous charge of 3 iPhones**
- 6 hours simultaneous charge of 3 iPads

* This number is based on a completely uncharged hub. It would take less time if the hub has any charge at all.

** This number will vary based on the size of the battery on the mobile device, and how degraded it is at the time. Also if charge is occurring during sunlight, the hub will be regenerating so the charge times may be longer.



Powersol™ Elements

- 8 panels that deliver a maximum of 54 Watts of energy at any given time.
- Solar charging panels, consisting of eight sleeves, each sleeve containing 2 solar panels
- Battery rated at 7.4v at 22Ah; this capacity allows the Smart Hub to charge several mobile iDevices (or equivalent) many times over on a single full charge of the battery.
- The Smart Hub battery tower electronics has 3 USB intelligent charging ports that senses the type of device connected and charge the device appropriately. This smart sensing allows the Smart Hub to charge specialty devices, such as an Apple iPad, as fast as using an Apple wall charger.
- LED charging display gauges Smart Hub battery charge level. The Smart Hub retains stored charging power to allow charging of devices when the sun is not shining or at night.
- Optional 24" diameter high quality Courtesy Table available for use when not using with a patio table.

ZON™

Charge up!™

Powersol™

Solar Charging Umbrella



SPECIFICATIONS

INPUT VOLTAGE: DC 12V
INPUT CURRENT: 3A
OUTPUT: DC 5V 2.1A (each USB port)
BATTERY CAPACITY: DC 7.4V 22Ah

BATTERY BACKUP TIME: 4.5 hours at full load (typical)
OPERATING TEMPERATURE: -10° to 40° C
STORAGE TEMPERATURE: -20° to 55° C
CHARGER ASSY: Compliant with IP55

ABOUT POWERSOL

The ZON Powersol™ solar charging umbrella offers an environmentally-friendly way to charge your smart phones, tablets, laptops and other USB devices – by harnessing the power of the sun!

The ZON Powersol consists of a functional umbrella integrated with solar charging panels and a three-port USB charging tower. Each of the umbrella's eight sleeves houses two solar panels concatenated electrically, for a total of 16 solar panels delivering a maximum of 54 watts of energy.

The ZON Powersol's charging tower consists of a dual-cell lithium polymer ion battery and custom electronics to deliver power to USB-charged electronics. The charging tower has three intelligent USB charging ports that sense the type of devices connected, allowing the tower to charge specialty devices such as iPhones and iPads as fast as using a standard USB wall charger.

ZON Powersol features:

- Smart sensing charging technology
- Three intelligent USB charging ports
- 16 concatenated solar panels
- LED battery display

CLEANING AND CARE INSTRUCTIONS

DO:

- Gently wipe the surface of all parts with a soft, damp cloth.
- Use only clean water and neutral detergents to clean all parts of Powersol.
- Ensure that all solar panels are firmly secured with the Velcro straps.
- Relocate the umbrella by lifting only the lower pole (not the upper pole) vertically.
- Ensure the charging tower always has proper ventilation.

DON'T:

- Use acidic or alkaline detergents to clean any part of Powersol.
- Place any weight in excess of 22 lb (10 kg) on the table.
- Place decorations or other items on top of the solar panels.
- Push or pull the upper pole.
- Cover the charging tower with items, cloths, bags, etc.



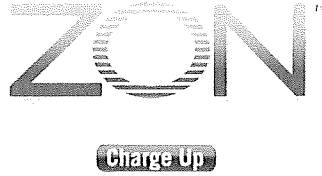
ZON™

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U.S. Patent numbers D693,560; D693,561; D693,562;
D693,563
Additional U.S. & International Patents Pending.
Designed in California, USA. Made in China.

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 Suite 100
 Manhattan Beach, CA 90266



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 Fax: 310-546-2437
 www.zon-technology.com
 info@zon-technology.com

P.O. #: _____
 BY: _____

DATE: _____
 PAGE: 1 OF 2

Powersol™ from ZON QUOTE ORDER

SOLD TO		SHIP TO
ORGANIZATION NAME:		NAME:
ADDRESS:		ADDRESS:
CITY:		CITY:
STATE: ZIP:		STATE: ZIP:
ATTENTION:		ATTENTION:
PHONE: EMAIL:		PHONE:
<input checked="" type="checkbox"/> NEW ACCOUNT <input type="checkbox"/> REORDER		BILL TO: <input type="checkbox"/> VISA <input type="checkbox"/> MASTERCARD <input type="checkbox"/> DISC <input type="checkbox"/> AMX
SHIPPING INSTRUCTIONS:		<input type="checkbox"/> CASH
		CREDIT CARD #:
BUYER NAME:		PRINT NAME ON CARD:
PHONE:		_____
EMAIL:		EXP DATE _____
		CID#:
		CARD HOLDER SIGNATURE
SALES REPRESENTATIVE: JOE FRANKLIN		
CONTACT: 310-200-8018 JOE@ZON-TECHNOLOGY.COM		

Terms: CREDIT CARD FIRST ORDER, PLEASE. Purchase Orders upon prior approval. All shipments are sent UPS Ground unless otherwise requested; FOB: Winowna, MN. Returns or exchanges with written authorization only and pursuant to ZON Limited One Year Warranty. Restocking fee 20% plus freight for returns not covered under Warranty. All prices USD.
Note: Base is NOT included. Recommended Base Weight 150 lbs or more. All prices USD.

(REV 20150801)

Price for Standard Powersol™ includes: Powersol™ 9 Foot Octogon Umbrella, 8-Sleeves of Solar Panels, Chargeable Battery Hub with 3 USB Ports. Fits all standard Patio Tables with 1.5" center hole.

SHIPPING OR SPECIAL INSTRUCTIONS:



TABLE NOT INCLUDED

P.O. #:
 DATE:
 PAGE 2 OF 2

ZON Powersol
Quantity Discount Schedule for
STANDARD COLORS

1-10 Units: \$1,650 each
 11+ Units: \$1,485 each

ADD \$325 EACH for
CUSTOM SUNBRELLA COLOR

Powersol™ from ZON QUOTE ORDER

Description	Item #	Color	Qty.	Unit Price	Extension
POWERSOL™ 9' OCTOGON WITH SUNBRELLA FABRIC	FRCU9OC	STANDARD COLORS: <input checked="" type="checkbox"/> Forest Green (100) <input type="checkbox"/> Pacific Blue (111) <input type="checkbox"/> Tuscan/Burnt Orange (103) <input type="checkbox"/> Natural (104)	1	\$1,650.00	\$1,650.00
			6	$\times 6 =$	9900
POWERSOL™ 9' FIBERLITE HEXAGON WITH SUNBRELLA FABRIC	FRFL-9HEX	<input type="checkbox"/> CUSTOM COLOR: SUNBRELLA MARINE GRADE FABRIC: [ENTER COLOR #]	1	\$1,975.00	\$1,975.00
BOTTOM LOCKING COLLAR	BMLC-100		1	\$25.00	\$25.00
			6		150
SUB-TOTAL:				10,090	
TAX (9.0% CA ONLY):					
SHIPPING (\$160 EA.): $\times 6$				960	
TOTAL:				11,010	

ACCEPTED BY: _____ PRINT: _____ DATE: _____

NOTE: To place an order, please fill out the form, sign, scan and email to joe@zon-technology.com.

PLEASE ALLOW 6-8 WEEKS FOR DELIVERY OF YOUR STANDARD COLOR ORDER.

PLEASE ALLOW 6-8 WEEKS FOR DELIVERY OF YOUR CUSTOM COLOR ORDER.

QUOTES ARE VALID FOR 60 DAYS FROM DATE ON QUOTE. Quotes available upon request for LOGO imprints.

Joe Franklin
 Colleges and Universities

REV 20150801

ZON • Email JOE@zon-technology.com • 310-200-8018 • Fax 310-546-2437

