



Your Complete Power Systems Specialist

SunPak™ Solar Electric Generators

● Seismic Monitoring

● Telecommunications:
Mountaintop Repeater Site

● Railroad Signaling

● Traffic Messaging

● CCTV Security Systems
for Industrial Sites

● Water Monitoring

● SCADA and RTU Systems
for Wellhead Facilities

● Offshore Platforms

Power - Where You Need It!





SunPak™ Solar Systems – The Ideal Solution for Remote Site Power



COMPLETE, FULLY INTEGRATED POWER SYSTEMS ARE DELIVERED TO YOUR SITE PRE-ASSEMBLED AND PRE-WIRED, REDUCING INSTALLATION COSTS

SUNPAK® solar electric generators are rugged, self contained power systems designed to provide continuous, reliable power in areas where conventional electricity is non-existent or unreliable. Each SUNPAK system is designed to provide steady, clean power with sufficient storage capacity to continuously operate during extended periods of inclement weather. Systems can be pole, tower or rail mounted and come standard in a 12-volt configuration. Custom configurations are available to meet your equipment's specific requirements.

ENGINEERED FOR RELIABILITY

- UL, FM Module Rating • Minimum 5 Day Battery reserve
- 40-Year Module Design Life • Fully Operational Between -20° to 50°C
- Field Proven Components • Deep Cycle, Maintenance-Free Batteries
- 15+ Year MTBF on Controls • Pre-assembled and Factory Tested



Power – Where You Need It!

- REMOTE TELEMTRY • RADIO REPEATERS
- OIL and GAS INSTRUMENTATION • SCADA
- REMOTE DATA ACQUISITION • RAILROAD SIGNALING

System Features

SOLAR ARRAY

Exclusive high performance PV modules are specifically designed to exceed solar industry standards (JPL Block V) for durability in the harshest environments. They have a proven 40-year design life, along with a weatherproof J-Box and corrosion-resistant frame. PowerUp modules are UL listed for electrical and fire safety and also FM approved for Class I and II Group D hazardous locations.

BATTERIES

Batteries are maintenance-free, valve regulated, sealed lead acid and are specifically designed for deep cycle photovoltaic applications. All SUNPAK systems have sufficient battery capacity to operate for a minimum of five days without charging. This assures the ultimate in system reliability for providing power to the load.

CHARGE CONTROLLERS

The charge controllers are solid state and fully encapsulated. Features include temperature compensation, LED status indicator, corrosion resistant terminations, lightning protection, reverse current protection and low voltage load disconnect to ensure long battery life.

ENCLOSURES

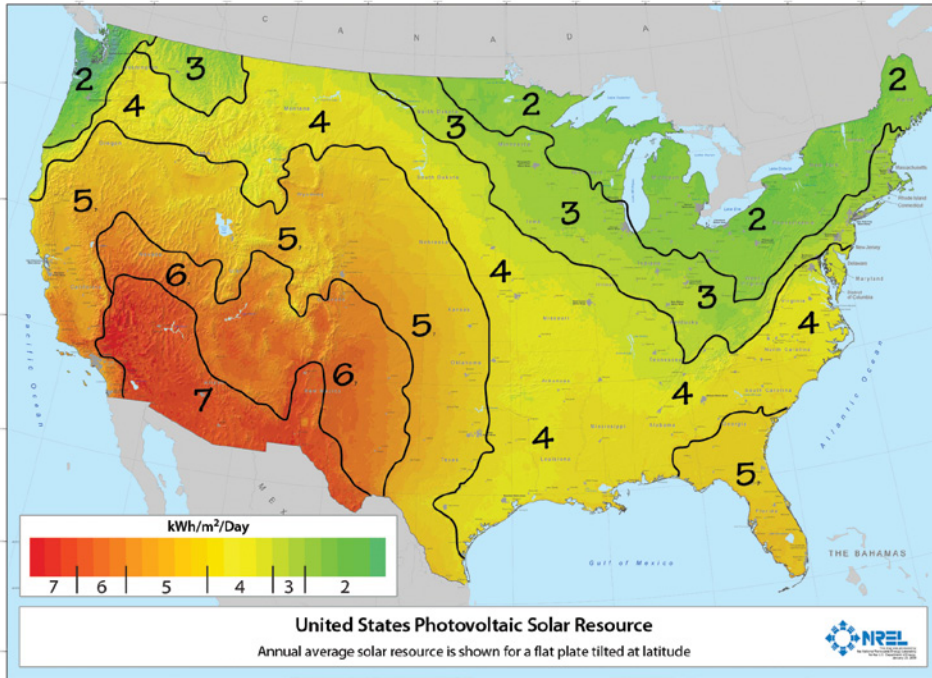
The enclosures are available in 3R, 4X or a combination of both and are also available with a powder coated finish and padlock-able door. Our enclosures provide long life protection for electronics and batteries. Optional fiberglass enclosures are available.



POWERUP

12230 EASTERN AVE • BALTIMORE, MD 21220
Tel: 410-344-9206 • Fax: 410-344-9239
email: sales@powerupco.com • www.powerupco.com

SunPak™ The Remote Site Power Solution



How to Select the Right SunPak System

1. Locate the system site on the above map and determine which zone it is in.
2. Determine how many amp hours per day your equipment will draw by multiplying the operating current by the length of time in hours (or fraction of hours) that the equipment will operate.

* EXAMPLE:

Radio transmitter operates with a 100MA standby current and transmits for five minutes each hour using 2 amps.

STANDBY .100 A x 22 hrs. = 2.2 AH

TRANSMIT 2.0 A x 2.0 hrs. = 4.0 AH

6.2 AH Daily Load

Add 10% = 6.82 Adjusted Daily Amp Hours

3. Go across the daily amp hour row in Table I until you reach the adjusted amp hour requirement. Go down to the appropriate weather zone. The letter will have a corresponding model on the model chart.

*Due to micro climates, please call for computer sizing before ordering.

LOAD – AMP HRS. PER DAY →	TABLE 1													
	2	3	4	5	7.5	10	12.5	15	17.5	20	25	30	40	50
ZONE 2	C	E	F	G	H	J	K	L	M	N	N	O	X	X
ZONE 3	B	C	D	E	F	G	H	J	J	K	L	M	N	O
ZONE 4	B	B	C	D	E	F	G	H	H	J	K	L	M	N
ZONE 5	A	B	C	C	D	F	F	G	H	H	J	K	L	M
ZONE 6	A	B	B	C	D	D	F	F	G	G	H	J	K	L
ZONE 7	A	B	B	B	C	D	E	F	G	G	H	H	K	L

X = Call for model number

SunPak Model Number					
A	PUPS 101235	F	PUPS 6512110	L	PUPS 24012360
B	PUPS 201255	G	PUPS 8012110	M	PUPS 28012360
C	PUPS 301272	H	PUPS 12012220	N	PUPS 36012480
D	PUPS 401292	J	PUPS 14012220	O	PUPS 48012600
E	PUPS 5012110	K	PUPS 18012220	X	CALL



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