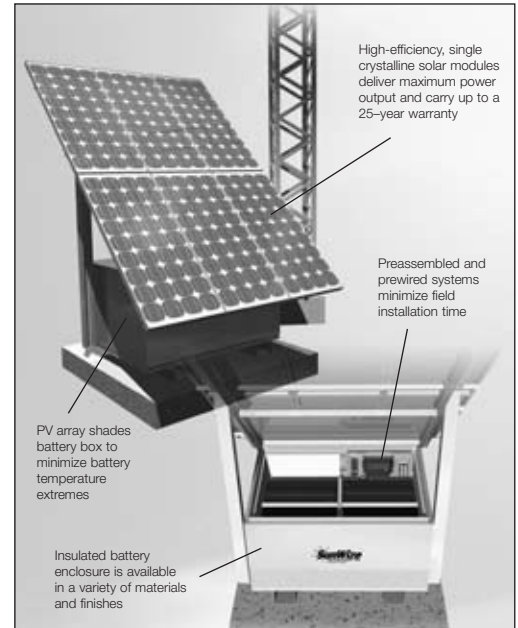


Power Ready System

SunWize® Power Ready Systems are complete, fully integrated power supplies designed for site loads requiring 12, 24 or 48 volts DC. Each system provides safe and reliable power generation without the need and expense of installing utility power. The sealed, maintenance free batteries are designed for deep cycle operation and extended life in solar applications. The aluminum array support structures and battery enclosures are strong yet lightweight and corrosion resistant for harsh marine or severe weather locations.

Because Power Ready Systems are designed to withstand rugged transportation to remote sites, single-lift integral lifting lugs and/or forklift slots are provided. The system is fully assembled for factory testing before shipment. The prewired systems are typically shipped fully assembled with a protective cover over the array and are bolted to a skid. The solar array for larger systems is

shipped in a separate plywood crate and the battery enclosure is mounted on a skid. In some cases, batteries are shipped separately. Power Ready Systems carry a one-year system warranty for materials and workmanship. A three-year SunWize performance warranty is available on pre-packaged systems. The solar modules have up to a 25-year warranty. Careful component selection results in a system with a lifetime exceeding 25 years with battery replacements every five to ten years.



SYSTEM SELECTION TABLE

Figures below are daily load in Amp-hrs/day. Refer to the map on the back cover of this catalog.

12 Volt SYSTEMS	PEAK SUN HOURS											24 Volt SYSTEMS
	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
PR005-12-019	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.2	1.4	1.5	PR010-24-019
PR010-12-038	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.3	2.5	2.8	3.1	PR020-24-038
PR020-12-038	1.0	1.5	1.9	2.4	2.8	3.4	4.0	4.4	5.0	5.6	6.2	PR040-24-038
PR040-12-079	1.9	2.8	3.8	4.8	5.6	6.7	7.8	8.6	9.8	11.0	12.2	PR080-24-079
PR050-12-120	2.4	3.6	4.8	6.0	7.1	8.5	9.8	10.9	12.3	13.8	15.2	PR100-24-120
PR060-12-120	2.9	4.3	5.7	7.1	8.3	9.9	11.5	12.7	14.5	16.3	18.0	PR120-24-120
PR080-12-120	3.7	5.6	7.4	9.3	10.9	12.8	15.1	16.7	19.0	21.3	23.6	PR160-24-120
PR085-12-120	3.9	5.9	7.8	9.9	11.7	13.8	16.2	17.9	20.2	22.5	24.9	PR170-24-120
PR090-12-240	4.1	6.2	8.2	10.4	12.6	14.7	17.2	19.1	21.5	23.8	26.2	PR180-24-240
PR100-12-240	4.7	7.0	9.3	11.8	14.0	16.5	19.3	21.5	24.2	26.9	29.7	PR200-24-240
PR110-12-240	5.2	7.8	10.4	13.1	15.5	18.3	21.4	23.8	26.9	30.0	33.2	PR220-24-240
PR115-12-240	5.5	8.2	11.0	13.8	16.2	19.2	22.4	25.0	28.2	31.6	35.0	PR230-24-240
PR150-12-240	7.1	10.6	14.0	17.5	20.0	23.9	28.2	31.1	35.3	40.3	44.5	PR300-24-240
PR160-12-240	7.5	11.2	14.7	18.3	21.3	25.1	29.7	32.5	37.2	42.6	47.2	PR320-24-240
PR170-12-240	7.9	11.9	15.5	19.2	22.7	26.4	31.1	34.0	39.0	44.9	49.8	PR340-24-240
PR180-12-240	8.3	12.5	16.2	20.0	24.0	27.6	32.6	35.4	40.9	47.2	52.5	PR360-24-240
PR200-12-240	9.4	14.0	18.1	22.3	25.9	30.5	36.0	39.0	45.3	53.0	59.5	PR400-24-240
PR230-12-240	11.0	16.3	21.0	25.8	28.8	34.8	41.2	44.3	51.8	61.7	70.0	PR460-24-240
PR230-12-480	11.6	16.5	22.0	28.2	32.2	38.4	44.9	50.0	56.6	63.4	70.0	PR460-24-500
PR255-12-480	12.6	18.3	24.4	31.0	36.1	42.7	49.4	55.3	62.1	69.0	75.9	PR510-24-500
PR270-12-600	13.2	19.4	25.9	32.7	38.5	45.3	52.2	58.5	65.4	72.4	79.4	PR540-24-600
PR300-12-600	14.4	21.6	28.8	36.0	43.2	50.4	57.6	64.8	72.0	79.2	86.4	PR600-24-600
PR340-12-600	16.3	23.9	31.7	40.1	47.3	56.3	64.8	72.7	81.1	90.4	98.8	PR680-24-600
PR360-12-750	17.3	25.0	33.2	42.2	49.4	59.2	68.4	76.6	85.7	96.0	105.0	PR720-24-750
PR400-12-750	18.8	27.2	36.2	46.0	53.8	64.5	74.5	83.4	93.4	104.6	114.4	PR800-24-750
PR425-12-750	19.8	28.6	38.0	48.3	56.6	67.8	78.3	87.7	98.1	109.9	120.2	PR850-24-750
PR460-12-900	22.1	33.1	44.2	55.2	66.2	77.3	88.3	99.4	110.4	121.4	132.5	PR920-24-900
PR500-12-900	24.2	35.3	46.7	58.9	68.4	81.1	94.6	105.3	118.4	131.1	144.9	PR1000-24-900
PR575-12-1200	28.1	39.3	51.3	65.8	72.6	88.1	106.5	116.4	133.4	149.2	168.2	PR1150-24-1200
PR600-12-1200	29.4	40.7	52.9	68.1	74.0	90.5	110.4	120.1	138.4	155.3	175.9	PR1200-24-1200

Note: Each system was designed for a Loss of Load Probability (LOLP) of less than 0.1% for the worst month. • Contact SunWize for 48 Volt system selections.

