

65W-220W Solar / Side-of-Pole Mount / PCA-30M1D Controller / **24VDC**

SunWize SunPumps series Water Pumping Kits (WPK-SP) are complete solar kit packages that contain everything needed to run SDS series diaphragm pumps. Our solar kits are sized according to SunPump SDS specifications and will produce approximately **50 to 1400 gallons per day**, depending on pump model, pumping depth, and solar resources at the pumping location. All solar arrays are wired at 24VDC for maximum flow rate.

SunWize WPKs use high quality solar modules and our trusted SunWize brand side-of-pole mounts, rated for 110 mph wind speeds per ASCE 7-05. Each kit contains a SunPumps PCA-30M1D controller and 30 ft. of #10/2 wire for connecting the solar module to controller.

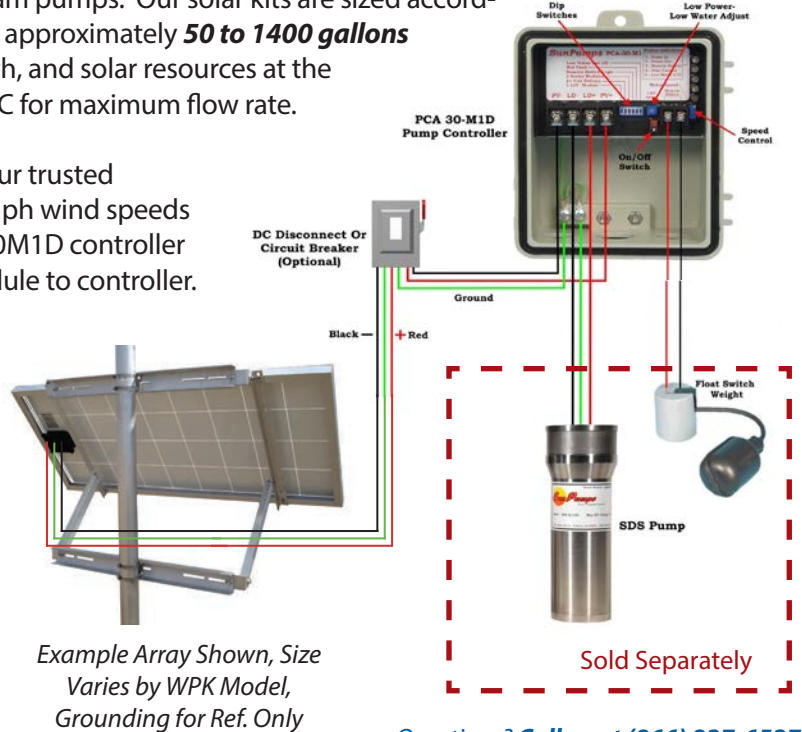
User responsible for specifying pump cable length. Optional Float Switch and DC Disconnects are available upon request.

Complete WPK Order Instructions:

Step 1. Choose SDS Pump using TDH Lookup Table on Following Page (**Ordered Separately**)

Step 2. Choose your WPK based on flow rates

Step 3. Choose (X) Ft. WIR-10-2G-SUB based on well depth requirements (user defined)



Questions? Call us at (866) 827-6527

Technical Specifications *SDS Pump Not Included *Solar Module Option Subject to Change Depending on Module Availability

	270121	270122	270123	270124	270125
System Model	270121	270122	270123	270124	270125
Model	WPK-SP-65W	WPK-SP-90W	WPK-SP-140W	WPK-SP-160W	WPK-SP-220W
Array Size	65W	90W	140W	160W	220W
Solar Module	018656	018665	019375	017115	017102
Model	SPM065P-WP-F	SPM090P-WP-F	SPM140P-WP-F	SWPB-80	SWPB-110
Module Qty	1	1	1	2	2
Array Current (Isc)	2.0 Amps	2.7 Amps	4.3 Amps	4.7 Amps	6.4 Amps
Array Voltage (Vmp)	36.0 Volts	35.0 Volts	35.2 Volts	37.4 Volts	36.8 Volts
Output Cable	30 ft #10/2 Tray	30 ft #10/2 Tray	30 ft #10/2 Tray	30 ft #10/2 Tray	30 ft #10/2 Tray
Mount	007954	007954	007954	007953	007953
Pump Controller	PCA-30M1D	PCA-30M1D	PCA-30M1D	PCA-30M1D	PCA-30M1D
Wire (WIR-10-2G-SUB)	019415	019415	019415	019415	019415
Pump Wire Length	User Specified Ft	User Specified Ft	User Specified Ft	User Specified Ft	User Specified Ft
Float Switch (PDS-5725)	019400	019400	019400	019400	019400
Float Switch Wire	019414	019414	019414	019414	019414
Float Switch Wire Length	User Specified Ft	User Specified Ft	User Specified Ft	User Specified Ft	User Specified Ft
DC Disconnect Box	006256 + 006258	006256 + 006258	006256 + 006258	006256 + 006258	006256 + 006258

Equipment Included in WPK

Optional

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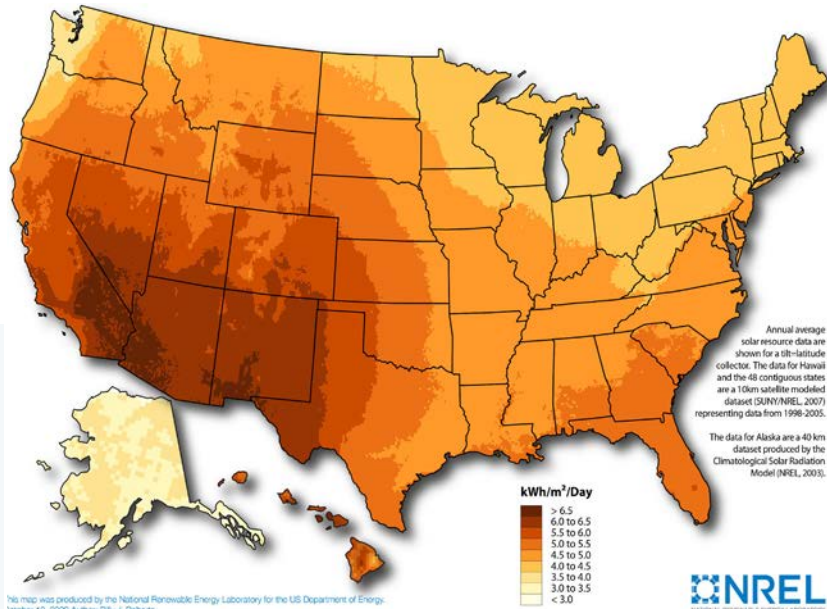
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System Lookup Instructions:

1. Determine System TDH ([click here](#))
2. Determine solar resources for site (see map, or use any solar resources database online)
3. Use Next Lowest TDH Grouping in Table
4. Use Solar Resource Column from Step 2.
5. Choose System w/ Sufficient Gallons Per Day

KEY FEATURES:

- High Quality Solar Modules w/ Aluminum Frame and Durable Junction Boxes
- 30 ft #10/2 Solar Output Cables Included
- SunWize double-arm Side-of-Pole Mounts Rated for 110MPH per ASCE 7-05
- Includes Everything Necessary to power an SDS Pump System, 50-1400 Gallons/Day (SDS Series Pump Sold Separately)



If the below pumping values do not meet your needs, or you have any questions, contact us at (866) 827-6527, our engineering staff are ready to help!

SunWize WPK-SP Lookup Table

Solar Pump	TDH Head	SunWize System	Daily Water Pumping Production (Gallons Per Day)					
			Sun Hours (Average Monthly Solar Resources)					
			Winter		Spring/Fall		Summer	
			1	2	3	4	5	6
003812 - Pump, SDS Pump Assy:SDS-D-228	23	WPK-SP-65W	63	125	188	251	313	376
003898 - Pump, SDS Pump Assy:SDS-D-128	23	WPK-SP-65W	81	162	243	324	405	486
003832 - Pump, SDS Pump Assy:SDS-T-128	23	WPK-SP-65W	106	212	318	423	529	635
016520 - Pump, SDS Pump Assy:SDS-T-130	23	WPK-SP-65W	128	255	383	511	638	766
016569 - Pump, SDS Pump Assy:SDS-T-135	23	WPK-SP-90W	143	286	429	572	716	859
019418 - Pump, SDS Pump Assy:SDS-Q-128	23	WPK-SP-90W	184	367	551	734	918	1102
019419 - Pump, SDS Pump Assy:SDS-Q-130	23	WPK-SP-90W	201	402	603	804	1006	1207
019420 - Pump, SDS Pump Assy:SDS-Q-135	23	WPK-SP-140W	248	497	745	994	1242	1490
003812 - Pump, SDS Pump Assy:SDS-D-228	46	WPK-SP-65W	59	119	178	238	297	356
003898 - Pump, SDS Pump Assy:SDS-D-128	46	WPK-SP-65W	74	149	223	298	372	446
003832 - Pump, SDS Pump Assy:SDS-T-128	46	WPK-SP-90W	102	204	306	408	510	612
016520 - Pump, SDS Pump Assy:SDS-T-130	46	WPK-SP-90W	127	254	381	508	635	761
016569 - Pump, SDS Pump Assy:SDS-T-135	46	WPK-SP-90W	137	274	411	549	686	823
019418 - Pump, SDS Pump Assy:SDS-Q-128	46	WPK-SP-90W	169	338	506	675	844	1013
019419 - Pump, SDS Pump Assy:SDS-Q-130	46	WPK-SP-140W	200	400	599	799	999	1199
019420 - Pump, SDS Pump Assy:SDS-Q-135	46	WPK-SP-140W	232	464	697	929	1161	1393
003812 - Pump, SDS Pump Assy:SDS-D-228	116	WPK-SP-90W	53	107	160	214	267	321
003898 - Pump, SDS Pump Assy:SDS-D-128	116	WPK-SP-90W	69	138	207	276	346	415
003832 - Pump, SDS Pump Assy:SDS-T-128	116	WPK-SP-140W	95	190	285	380	475	570
016520 - Pump, SDS Pump Assy:SDS-T-130	116	WPK-SP-140W	121	242	363	484	605	726
019418 - Pump, SDS Pump Assy:SDS-Q-128	116	WPK-SP-160W	157	313	470	626	783	940
003812 - Pump, SDS Pump Assy:SDS-D-228	231	WPK-SP-140W	49	97	146	194	243	292
003898 - Pump, SDS Pump Assy:SDS-D-128	231	WPK-SP-140W	62	123	185	246	308	369
003832 - Pump, SDS Pump Assy:SDS-T-128	231	WPK-SP-160W	86	173	259	346	432	518

Seasonal Calculations Available:
Use the (6) Sun-Zone Calculations Shown to Determine Water Pumping Production During Various Seasonal Periods.

Amount Scales Linearly With Sunlight - (5.5 Sun Hour Pumping is Avg. between 5.0 and 6.0!)

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