



Series 5014/5034

All PV PoleTops® and most adjustable PV PoleSides™ use installer-friendly SolarMount® HD (heavy duty) or standard SolarMount® rails and, except where noted, SolarMount® bottom mounting clips.

POLEMOUNTS™

MASTER PRICE LIST

with SIZING CHARTS

effective June 6, 2007

- 1 Choose one of the three basic PV PoleMounts configurations:
 - PV PoleTops® 3
 - Adjustable Tilt PV PoleSides™ 9
 - Fixed Tilt PV PoleSides™ 12
- 2 Review Design Wind Pressure ratings:
 - PV PoleTops® 2
- 3 Use sizing charts to select a rack series and model number based on the manufacturer, model number, and quantity of modules you plan to mount:
 - PV PoleTops® 3–5
 - Adjustable Tilt PV PoleSides™ 9–10
 - Fixed Tilt PV PoleSides™ 12
- 4 Price your rack and accessories:
 - PV PoleTops® 6–7
 - Accessories 8
 - Adjustable Tilt PV PoleSides™ 10–11
 - U-bolt Substitution 11
 - Fixed Tilt PV PoleSides™ 12

Design Wind Pressures for PV PoleTops®

To ensure the structural integrity and to provide the installer with an accurate wind pressure rating, we have thoroughly computer analyzed and laboratory tested our PV PoleTops. The resulting Design Wind Pressures—maximum allowable wind pressure in pounds per square foot (psf)—appear after model numbers on the sizing chart on pages 3–5.

Each rating applies to the mounting pole in addition to the PV PoleTops rack. Where our rating is below 50 psf, it is in most cases because our analysis predicts that the mounting pole will buckle above the rated load.

Your PV panels may carry a lower wind load rating. The manufacturers’ rating is typically 50 psf.

The ratings on our sizing chart were calculated based on the following assumptions:

- Manufacturer, model, and quantity of modules as indicated on the sizing chart;
- A tilt angle of 40 degrees from the horizontal for Series 5000 to 5003, 55 degrees for Series 5014/5034;
- A mounting pole of Schedule 40 steel pipe, 5 feet above ground for Series 5000 to 5003, 6 feet for Series 5014/5034;
- Installation performed in accordance with applicable installation instructions.

What Design Wind Pressure is required for your site?

Start with the basic wind speed at the site. For this figure, consult a local professional engineer or the

building authority with jurisdiction over the site. In the United States, consult basic wind speed information in the building code appropriate to your site, for example, ASCE 7, the California Building Code, the International Building Code, or the Uniform Building Code. These codes also define wind exposure categories.

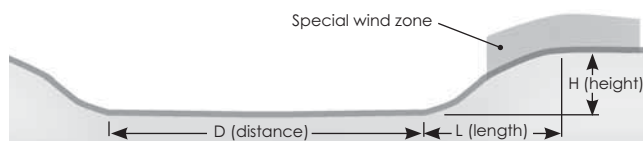
To determine your wind load, apply your basic wind speed and exposure category to the “Design Wind Pressures” table on this page. For example, if your basic wind speed is 100 miles per hour and your site fits Exposure Category C, you will require a rack with a Design Wind Pressure of 26 psf or greater.

Special terrain can experience extra high wind loads and require further analysis to determine an installation’s suitability: canyons or gaps where wind may be funneled at high speed and the upper half of some isolated hills, ridges, and escarpments. (For an example, see the “Special terrain” illustration on this page). UniRac warrants installations on “special terrain” only if a professional engineer or UniRac has determined that the wind loads at the particular site fall within published design load limits.

UniRac can provide additional help. If requirements or conditions at your site deviate significantly from the assumptions listed above, contact our Customer Service Department. We’ll input your parameters through our proprietary analysis program to quickly determine your wind load rating. We’ll put it in writing.

Design Wind Pressures (psf)

Exposure category	Basic wind speed (mph)				
	90	100	110	120	130
B	14	18	21	25	30
C	21	26	32	38	44
D	26	32	38	46	53



Special terrain: The upper half of a hill constitutes a special wind zone if the slope ($H \div L$) is greater than 0.1 and if distance (D) to similar terrain is greater than two miles or 100 times the height of the hill (H). Contact a professional engineer or UniRac.

Configurations: PV PoleTops® Single Row



Series 5000
with SolarMount® standard rails for 2.5" (65 mm) Schedule 40 or 80 steel pole, outside dia. 2.875" (73.0 mm)



Series 5001
with SolarMount® HD (heavy duty) rails for 3" (80 mm) Schedule 40 or 80 steel pole, outside dia. 3.500" (88.9 mm)



Series 5002
with SolarMount® HD (heavy duty) rails for 4" (100 mm) Schedule 40 or 80 steel pipe, outside dia. 4.500" (114.3 mm)

Configurations: PV PoleTops® Double Row



Series 5003
with SolarMount® HD (heavy duty) rails for 4" (100 mm) Schedule 40 or 80 steel pole, outside dia. 4.500" (114.3 mm)



Series 5014/5034
with SolarMount® HD (heavy duty) rails for 6" (150 mm) Schedule 40 or 80 steel pole, outside dia. 6.625" (168.3 mm)

For larger pole sizes:

Series 5000—See "U-bolt Substitution," page 11.

Series 5014/5034—See reducer for 8-inch (200 mm) Schedule 40 or 80 steel pole, outside diameter 8.625 inches (219.1 mm), "Accessories," page 8.

KEY

500323 48

Rack item no. (series no. = first 4 digits).

Design Wind Pressure, pounds per square foot (psf). Where multiple selections are listed, choose the rack item number with the lowest design wind pressure acceptable at your site. **Note: Your PV modules may carry a lower Design Wind Pressure rating.** See "Design Wind Pressures for PV PoleTops" on the facing page.

Sizing Chart: PV PoleTops®

Select rack based on manufacturer, model number, and quantity of the modules you plan to mount.

Module	Number of modules to be mounted							
	1	2	3	4	6	8	10	12
AEE								
AE80j	500024 115	500016 58	500117 53	500123 40	500350 33	500337 25 501434 25	501438 54	501478 17
BP Solar								
BP350	500024 165	500016 83	500105 75	500110 56	500323 48	500328 36	501493 27	501429 22
BP365	500023 133	500029 67	500103 60	500108 56	500321 38	500326 28	501423 29	501427 24
BP380, -485	500024 114	500016 57	500105 52	500110 39	500323 32	500328 25 501421 33	501493 27	501429 22
BP3125	500044 46	500129 50	500132 33	500229 31	500315 20 501457 19	501463 14		
BP3150, -3160, -4175, -SX160B, -SX170B	500045 37	500130 39	500226 34	500340 23 501453 24	501459 16			
Evergreen								
EC110, -115, -120	500036 56	500114 49	500121 32	500224 31	500342 19 501456 19	501462 14		
ES170RL, -180RL, -190RL	500039 39	500120 33	500230 28	500341 20 501404 20				
GE Energy								
GEPV045, -050	500007 131	500001 66	500108 59	500146 44	500326 37	500330 28 501425 27	503400 22	
GEPV072, -085	500024 117	500030 59	500117 54	500122 40	500350 33	500336 25 501433 26	501437 20	501441 17

GE Energy and other module sizing continues on page 4

Sizing Chart: PV PoleTops® (continued)

Module	Number of modules to be mounted							
	1	2	3	4	6	8	10	12
GE Energy (continued)								
GEPV100, -110	500007 76	500133 52	500136 34	500225 32	500313 21 501432 27	501437 20	501444 16	
GEPVp130	500007 75	500133 51	500136 34	500225 32	500313 21 501432 27	501437 20	501444 16	
GEPV173	500029 52	500121 35	500232 30	500335 22 501432 27	501439 18			
GEPVp185, -200	500029 51	500121 34	500232 29	500335 21 501432 27	501440 18			
Isofoton								
I-100	500036 68	500114 59	500121 39	500224 37	500335 25 501432 27	501437 20	501443 16	
I-150S	500041 45	500122 40	500233 33	500336 25 501433 26	501441 17			
Kaneka								
G-EA060, G-SA060	500014 49	500131 52	500241 45	500335 33	501439 18			
Kyocera								
KC50T, -65T, -85T	500025 113	500031 57	500107 52	500113 39	500325 32 501486 37	500330 24 503401 28	501429 22	501430 14
KCI30GT, -130TM	500043 50	500128 53	500131 35	500228 34	500342 23 501456 19	501462 14		
KCI75GT	500039 45	500132 40	500243 33	500313 25 501432 27	501440 18			
KC200GT	500014 32	500132 34	500243 30	500315 22 501457 19				
Mitsubishi								
PVMF110EC3, -120EC3	500043 51	500128 53	500131 35	500228 35	500342 23 501456 19	501462 14		
PVMF125EA2LF, -130A2LF	500045 46	500130 51	500140 33	500340 31 501453 24	500301 21 501460 15			
PVMF160EB3, -165EB3, -170EB3	500045 37	500130 36	500214 33	500340 23 501453 24	501460 15			
Photowatt								
PW6-110, -123	500043 49	500128 54	500131 35	500228 34	500342 22 501456 19	501462 14		
PW750	500035 84	500042 42	500119 49	500145 37	500334 31 501433 26	500309 23 501435 24	503403 19	501444 16
PW1650	500041 43	500123 38	500233 31	500337 24 501434 25	501443 16			
Schott Solar								
ASE300-DGF 50	500128 45	500227 26						
Sanyo*								
HIP180BA3, -186BA3, -190BA3, -195BA3, -200BA3	500002 62	500143 43	500240 36	501498 29	501495 20	501487 15		

* Use models listed in this row only for Sanyo modules. Top mounting clamp sets are substituted to accommodate Sanyo modules, which have no mounting holes.

Sizing Chart: PV PoleTops® (continued)

Module	Number of modules to be mounted							
	1	2	3	4	6	8	10	12
Sharp								
NE-80EJEA	500034 90	500041 45	500117 53	500123 39	500350 33 501496 34	500337 25 501434 25	501494 20	501478 17
ND-L3EJEA (123w), -L5EIU (125w)	500044 47	500129 46	500132 31	500229 32	500315 20 501457 19	501463 14		
ND-N2ECU (142w)	500039 50	500136 43	500232 37	500313 27 501432 27	501440 18			
ND-162UI, -167U3A	500039 44	500136 39	500232 32	500313 24 501432 27	501440 18			
NE-170UI	500027 57	500106 39	500220 32	500348 23 501484 23	501489 15			
ND-187UI	500039 39	500132 34	500243 29	500315 21 501457 19				
ND-200UI, -208UI	500039 36	500132 31	500243 26	501457 19	501440 18			
SolarWorld (Shell)								
80P, 85P	500024 117	500030 59	500117 54	500122 40	500350 33 501496 34	500336 25 501433 26	501437 20	501441 17
165P, -PC, 175P, -PC	500027 56	500118 38	500237 32	500348 21 501484 23	501489 15			
SunPower								
SPR90, -95	500024 85	500030 68	500117 62	500122 46	501485 40	500327 29 501434 25	501425 27	501428 23
SPR200BLK, -210, -215BLK, -220	500038 47	500117 41	500214 34	500340 24 501453 24	501460 15			
Suntech								
STP060	500007 145	500001 72	500108 66	500146 49	500326 42 501491 36	501425 27	503400 22	
STP085S	500024 115	500016 57	500118 52	500123 39	500334 33 501431 33	500337 25 501434 25	501494 20	501443 16
STP110-12 Tb, -115-12/Tc, -120, -130, -140	500037 58	500133 51	500122 33	500235 31	500349 21 501481 18	501463 14		
STP110-24/Ab, STP175-24/Ab-I	500038 46	500118 40	500127 26 500237 33	500340 23 501453 24	501460 15			
SunWize								
SW50C, 55, 60	500023 149	500029 74	500103 68	500108 51	500321 43	500326 31	501423 29	501427 24
SW85, -90, -90C	500035 69	500042 35	500119 41	500126 31	500347 26 501454 21	501458 16		
SW100, -115, -120	500036 63	500114 55	500121 36	500223 34	500342 23 501456 19	501461 14		
SW150, -155, -160	500038 45	500117 39	500236 32	500339 21 501452 24	501458 16			
Uni-Solar								
ES62T	500038 58	500118 51	500139 33	500350 32 501431 33	500352 21 501436 22	501478 17		
US64	500037 57	500135 50	500124 33	500339 31 501452 24	500317 20 501488 17			
Yingli								
YL80, -85	500024 117	500016 59	500106 54	500110 40	500351 33	500328 25 501421 33	501493 27	501429 22

Price List: Series 5000 Single Row PV PoleTops®



Series 5000
with SolarMount®
standard rails for 2½"
(65 mm) Schedule
40 or 80 steel pole,
outside dia. 2.875"
(73.0 mm)

Adapt your Series 5000 rack to a larger pole
size with U-bolt substitution.

See "U-bolt Substitution" prices on page 11.

Item number	Rail/ channel length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500001	54"/24"	2	12	55x4x3	\$160.00
500002*	38"/24"	1*	10	39x4x3	144.00
500007	28"/24"	1	9	29x4x3	134.00
500014	40"/40"	1	12	41x4x3	151.00
500016	44"/24"	2	11	45x4x3	150.00
500023	20"/24"	1	9	25x4x3	126.00
500024	22"/24"	1	9	25x4x3	128.00
500025	26"/24"	1	9	27x4x3	132.00
500027	34"/24"	1	10	35x4x3	140.00
500029	40"/24"	2	11	41x4x3	146.00
500030	42"/24"	2	11	43x4x3	148.00
500031	52"/24"	2	12	51x4x3	158.00

Item number	Rail/ channel length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500034	22"/32"	1	10	33x4x3	\$131.00
500035	24"/32"	1	10	33x4x3	133.00
500036	26"/32"	1	10	33x4x3	135.00
500037	30"/32"	1	11	33x4x3	139.00
500038	32"/32"	1	11	33x4x3	141.00
500039	40"/32"	1	12	41x4x3	149.00
500041	44"/32"	2	12	45x4x3	153.00
500042	46"/32"	2	12	47x4x3	155.00
500043	26"/40"	1	12	41x4x3	137.00
500044	28"/40"	1	12	41x4x3	139.00
500045	32"/40"	1	12	41x4x3	143.00

Price List: Series 5001 Single Row PV PoleTops®



Series 5001
with SolarMount®
HD (heavy duty)
rails for 3" (80 mm)
Schedule 40 or 80
steel pole, outside
dia. 3.500" (88.9 mm)

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500103	60"/24"	3	21	64x5x4	\$257.00
500105	64"/24"	3	22	68x5x4	263.00
500106	66"/24"	3	23	70x5x4	266.00
500107	78"/24"	3	25	82x5x4	284.00
500108	80"/24"	4	25	84x5x4	287.00
500110	86"/24"	4	27	90x5x4	296.00
500113	104"/24"	4	31	108x5x4	323.00
500114	52"/32"	2	21	56x5x4	255.00
500117	64"/32"	3	22	66x5x4	273.00
500118	66"/32"	3	24	70x5x4	276.00
500119	70"/32"	3	25	74x5x4	282.00
500120	76"/32"	3	26	80x5x4	291.00
500121	78"/32"	3	26	82x5x4	294.00
500122	84"/32"	4	27	88x5x4	299.00
500123	86"/32"	4	28	90x5x4	302.00
500124	88"/32"	4	29	92x5x4	306.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500126	92"/32"	4	30	96x5x4	\$312.00
500127	98"/32"	3	31	102x5x4	321.00
500128	52"/40"	2	22	56x5x4	265.00
500129	54"/40"	2	23	58x5x4	268.00
500130	64"/40"	2	23	66x5x4	283.00
500131	78"/40"	3	27	82x5x4	299.00
500132	80"/40"	3	27	84x5x4	302.00
500133	54"/32"	2	20	58x5x4	258.00
500135	60"/32"	2	22	64x5x4	267.00
500136	80"/32"	3	26	84x5x4	297.00
500139	94"/32"	3	28	98x5x4	315.00
500140	96"/40"	3	29	100x5x4	326.00
500143*	74"/32"	2*	26	78x5x4	288.00
500145	90"/32"	4	30	94x5x4	309.00
500146	106"/24"	4	31	106x5x4	326.00

Price List: Series 5002 Single Row PV PoleTops®



Series 5002
with SolarMount®
HD (heavy duty)
rails for 4" (100 mm)
Schedule 40 or 80
steel pole, outside
dia. 4.500" (114.3
mm)

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500214	96"/40"	3	40	100x7x4	\$456.00
500220	98"/24"	3	37	102x7x4	419.00
500223	102"/32"	4	39	106x7x4	445.00
500224	104"/32"	5	40	108x7x4	448.00
500225*	106"/32"	3*	41	110x7x4	451.00
500226	94"/40"	3	37	98x7x4	453.00
500227	102"/40"	4	39	106x7x4	465.00
500228	104"/40"	4	40	108x7x4	468.00
500229†	108"/40"	4	41	110x7x4	474.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500230†	114"/32"	3	42	118x7x4	\$463.00
500232†	118"/32"	3	43	122x7x4	469.00
500233†	130"/32"	3	46	132x7x4	487.00
500235†	108"/32"	4	41	112x7x4	454.00
500236	94"/32"	3	37	98x7x4	433.00
500237	98"/32"	3	39	104x7x4	439.00
500240*†	108"/32"	3*	41	112x7x4	454.00
500241†	114"/40"	3	43	118x7x4	483.00
500243†	118"/40"	3	44	122x4x4	489.00

* For use with Sanyo modules only. Top mounting clamp sets are substituted to accommodate the listed number of Sanyo modules.

† Ships via truck freight only; all others may ship UPS.

Price List: Series 5003 Double Row PV PoleTops®



Series 5003
with SolarMount®
HD (heavy duty)
rails for 4" (100 mm)
Schedule 40 or 80
steel pole, outside
dia. 4.500" (114.3
mm)

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500301	96"/102"	6	68	106x7x4	\$647.00
500309	90"/84"	8	63	94x7x4	594.00
500313	80"/84"	6	59	88x7x4	564.00
500315	80"/102"	6	63	106x7x4	599.00
500317	88"/102"	6	66	106x7x4	623.00
500321	60"/72"	6	49	76x7x4	469.00
500323	64"/72"	6	51	76x7x4	481.00
500325	78"/72"	6	55	82x7x4	523.00
500326	80"/72"	8	56	84x7x4	529.00
500327	84"/72"	8	57	88x7x4	541.00
500328	86"/72"	8	58	90x7x4	547.00
500330	104"/72"	8	63	108x7x4	596.00
500334	68"/84"	6	56	88x7x4	528.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping		List price
			Lbs	Inches	
500335	78"/84"	6	59	88x7x4	\$558.00
500336	84"/84"	8	61	88x7x4	576.00
500337	86"/84"	8	61	90x7x4	582.00
500339	62"/102"	4	57	106x7x4	545.00
500340	64"/102"	4	58	106x7x4	551.00
500341	76"/102"	6	62	106x7x4	587.00
500342	78"/102"	6	62	106x7x4	593.00
500347	70"/102"	6	60	106x7x4	569.00
500348	66"/102"	4	59	106x7x4	557.00
500349	82"/102"	6	64	106x7x4	605.00
500350	64"/84"	6	54	88x7x4	516.00
500351	68"/72"	6	52	76x7x4	493.00
500352	94"/84"	6	64	98x7x4	606.00

Price List: Series 5014/5034 Double Row PV PoleTops® with High Wind Brace



Series 5014/5034
with SolarMount®
HD (heavy duty)
rails for 6" (150 mm)
Schedule 40 or 80
steel pole, outside
dia. 6.625" (168.3
mm)

Item number	Rail/ X-tube length	Module bolt sets	Shipping†		List price
			Lbs	Inches	
501404†	76"/102"	4	92	106x7x6	\$1,005.43
501420†	84"/72"	8	96	88x7x6	885.00
501421†	86"/72"	8	87	89x7x6	892.00
501423†	100"/72"	10	94	103x7x6	941.00
501425†	106"/72"	10	97	109x7x6	960.00
501427	120"/72"	12	102	123x7x6	1,011.00
501428	126"/72"	12	104	129x7x6	1,032.00
501429	130"/72"	12	106	133x7x6	1,046.00
501430	156"/72"	12	114	159x7x6	1,137.00
501431†	66"/84"	6	85	88x7x6	842.00
501432†	90"/84"	6	89	88x7x6	891.00
501433†	84"/84"	8	90	87x7x6	905.00
501434†	86"/84"	8	91	89x7x6	912.00
501435†	90"/84"	8	95	92x7x6	926.00
501436†	98"/84"	6	97	104x7x6	954.00
501437†	106"/84"	10	97	109x7x6	982.00
501438	110"/84"	10	101	113x7x6	996.00
501439	116"/84"	6	103	119x7x6	1,017.00
501440	118"/84"	8	104	121x7x6	1,024.00
501441	126"/84"	12	108	129x7x6	1,052.00
501443	130"/84"	12	109	133x7x6	1,066.00
501444	134"/84"	12	111	135x7x6	1,080.00
501452†	62"/102"	4	87	106x7x6	848.00
501453†	64"/102"	4	88	106x7x6	855.00
501454†	70"/102"	6	90	106x7x6	876.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping†		List price
			Lbs	Inches	
501457†	80"/102"	6	93	83x7x6	\$ 911.00
501458†	92"/102"	8	97	105x7x6	953.00
501459†	94"/102"	6	98	105x7x6	960.00
501460†	96"/102"	6	99	105x7x6	967.00
501461†	102"/102"	8	101	105x7x6	988.00
501462†	104"/102"	8	102	107x7x6	995.00
501463†	108"/102"	8	103	111x7x6	1,009.00
501478	128"/84"	12	109	131x7x6	1,059.00
501481†	82"/102"	6	96	106x7x6	918.00
501484†	66"/102"	4	87	106x7x6	862.00
501485†	64"/72"	6	77	76x7x6	815.00
501486†	78"/72"	6	84	82x7x6	864.00
501487*	144"/84"	8*	119	147x7x6	1,115.00
501488†	88"/102"	6	99	106x7x6	939.00
501489†	98"/102"	6	102	101x7x6	974.00
501491†	80"/72"	6	85	84x7x6	871.00
501493	108"/72"	10	98	111x7x6	969.00
501494	108"/84"	10	102	111x7x6	989.00
501495*	108"/84"	6*	101	111x7x6	989.00
501496†	64"/84"	6	81	88x7x6	835.00
501498†	74"/84"	13	85	88x7x6	870.00

Series 5014 continues as Series 5034
503400 132"/72" 10 110 135x7x6 1,053.00
503403 112"/84" 10 104 115x7x6 1,003.00

* For use with Sanyo modules only. Top mounting clamp sets are substituted to accommodate the listed number of Sanyo modules.
† May ship via UPS at customer request. UPS shipments will be divided into two boxes in addition to the hardware box. Total weight remains approximately as listed.
‡ Series 5014 racks include a separate hardware box (23 lbs., 8 x 8 x 8 inches) in addition to the listed shipping box.

Accessories

<i>Item number</i>	<i>Description</i>	<i>Shipping wt.</i>	<i>List price</i>
321218	Clips and hardware to mount one extra module	1 lb.	\$ 6.50
990204	Convert rack, place 3-inch model on 4-inch (100 mm) Schedule 40/80 pole, O.D. 4.500 inches (114.3 mm)		69.00
990300	Pole reducer, place 6-inch model on 8-inch (200 mm) Schedule 40/80 pole, O.D. 8.625 inches (219.1 mm)	30 lbs.	295.00
990301	Pole reducer, place 4-inch model on 6-inch (150 mm) Schedule 40/80 pole, O.D. 6.625 inches (168.3 mm)	18 lbs.	155.00



Configurations: Adjustable Tilt PV PoleSides™



Series 4000
for 2" (50 mm) Schedule 40 or 80 steel pole, outside dia. 2.375" (60.3 mm)



Series 4001
with SolarMount® standard rails for 2.5" (65 mm) Schedule 40 or 80 steel pole, outside dia. 2.875" (73.0 mm)



Series 4002
with SolarMount® standard rails for 2.5" (65 mm) Schedule 40 or 80 steel pole, outside dia. 2.875" (73.0 mm); 3" (80 mm) Schedule 40 or 80 steel pole, outside dia. 3.500" (88.9 mm); or 4" (100 mm) Schedule 40 or 80 steel pole, outside dia. 4.500" (114.3 mm)

The Price List for Series 4002 lists pole sizes for each model. See page 11.

Adapt your rack to different pole sizes with U-bolt substitution. Series 4011 and 4012 racks may go on 1.5-inch Schedule 40 or 80 poles. Series 4000 to 4002 racks may go only on larger pipes.

See "U-bolt Substitution" prices on page 11.

Sizing Chart: Adjustable Tilt PV PoleSides™

Select rack based on manufacturer, model number, and quantity of the modules you plan to mount.

Module make and model	Number of modules to be mounted			
	1	2	3	4
AEE				
AE5G, AE5/6G	400002	400011		
AE10G	400006	400032		
AE20G	400024	400263		
AE85J	400111	400211	400250	400227
BP Solar				
BPSX5M, -10M	400006	400032		
BPSX10U	400005	400027		
BPSX20M, -20U, -30M, -30U	400021	400208		
BP340	400027	400211	400218	400227
BP350	400039	400211	400218	400227
BP365	400101	400208	400216	400223
BP380, -485	400111	400211	400218	400227
BP3125	400236	400233	400224	400232
BP3150, -3160, -4175; BPSX160B, -170B	400207	400219	400230	
Evergreen				
EC110, -115, -120	400204	400212	400222	400231
ES170-RL, -180RL, -190RL	400209	400242		
GE Energy				
GEPV030	400026	400251		
GEPV045, -050	400107	400213	400223	400229
GEPV072, -085	400111	400251	400218	400225
GEPV100, -110	400235	400213	400223	400229
GEPvP130	400235	400243	400223	400229
GEPV173	400208	400223		
GEPvP185, -200	400208	400223		

Module make and model	Number of modules to be mounted			
	1	2	3	4
Isofoton				
I-100	400204	400212	400222	400231
I-150S	400210	400226		
IS-150	400207	400244	400228	
Kaneka				
G-EA060, G-SA060	400248	400245		
Kyocera				
KSS, -10, -20	400011	400107		
KC50T, -65T, -85T	400107	400213	400223	400229
KC130GT, -130TM	400257	400214	400224	400246
KC175GT	400209	400222		
KC200GT	400209	400224		
Mitsubishi				
PV-MF110EC3, -120EC3	400257	400214	400224	400246
PV-MF125A2LF, -130EA2LF	400207	400219	400230	
PV-MF160EB3, -165EB3, -170EB3	400237	400219	400230	
Photowatt				
PW6-110, -123	400257	400214	400224	400246
PW750	400103	400210	400220	400259
PW1650	400210	400226		
Sanyo*				
HIP180BA3, 186BA3, 190BA3, 195BA3, 200BA3	400239	400249		
Schott Solar				
ASE300-DGF/50	400214			

Module sizing continues on page 10

* Use models listed in this row only for Sanyo modules. Top mounting clamp sets are substituted to accommodate Sanyo modules, which have no mounting holes.

Sizing Chart: Adjustable Tilt PV PoleSides™ (continued)

Select rack based on manufacturer, model number, and quantity of the modules you plan to mount.

Module make and model	Number of modules to be mounted			
	1	2	3	4
Sharp				
NE-80EJEA	400112	400210	400244	400254
ND-L3EJEA (123w), ND-L5E1U (125w)	400236	400233	400224	400232
ND-N2ECU (142w)	400209	400222		
ND-162UI, ND-167U3A	400209	400222		
NE-170UI	400238	400250	400247	
ND-187UI	400209	400222		
ND-200UI, 208UI	400209	400224		
SolarWorld (Shell)				
80P, 85P	400111	400251	400218	400225
165P, -PC; 175P, -PC	400238	400250	400247	
SunPower				
SPR90, -95	400111	400251	400218	400225
SPR200BLK, -210, -215BLK, -220	400207	400244	400228	
Suntech				
STP060	400107	400243	400223	400229

Module make and model	Number of modules to be mounted			
	1	2	3	4
Suntech (continued)				
STP085S	400111	400211	400250	400227
STP110-12/Tb, -115-12/Tc, -120, -130, -140	400235	400253	400258	400261
STP110-24/Ab	400207	400244	400228	
STP175-24/Ab-1	400207	400244	400228	
SunWize				
SW50C, -55, -60	400101	400251	400216	400223
SW85, -90, -90C	400204	400212	400222	400259
SW100, -115, -120	400204	400212	400222	400231
SW150	400207	400244	400259	
Uni-Solar				
ES62T	400206	400244	400228	
US64	400207	400215	400226	
Yingli				
YL80, -85	400111	400211	400250	400227

Price List: Series 4000
Adjustable Tilt PV PoleSides™



Series 4000
for 2" (50 mm) Schedule 40 or 80 steel pole, outside dia. 2.375" (60.3 mm)

Item number	Rail/ channel length	Module bolt sets	Shipping		List price
			Lbs	Inches	
400002	10"/10"	1	5	11x4x3	\$69.00
400005	12"/15"	1	5	16x4x3	74.00
400006	12"/10"	1	5	13x4x3	71.00
400011	14"/10"	2	5	15x4x3	73.00
400021	20"/25"	1	7	26x4x3	88.00
400024	20"/10"	1	6	22x4x3	79.00
400026	22"/25"	1	7	26x4x3	90.00
400027	22"/15"	2	6	24x4x3	84.00
400032	24"/10"	2	6	26x4x3	83.00
400039	22"/20"	1	6	24x4x3	87.00

Price List: Series 4001
Adjustable Tilt PV PoleSides™



Series 4001
with SolarMount® standard rails for 2½" (65 mm) Schedule 40 or 80 steel pole, outside dia. 2.875" (73.0 mm)

Item number	Rail/ channel length	Module bolt sets	Shipping		List price
			Lbs	Inches	
400101	20"/24"	1	6	25x4x3	\$120.00
400103	24"/32"	1	6	33x4x3	129.00
400107	28"/24"	2	8	29x4x3	128.00
400111	22"/24"	1	6	25x4x3	122.00
400112	22"/32"	1	8	33x4x3	127.00

Price List: Series 4002 Adjustable Tilt PV PoleSides™



Series 4002
with SolarMount® standard rails for
2½" (65 mm) Schedule 40 or 80 steel pole,
outside dia. 2.875" (73.0 mm);
3" (80 mm) Schedule 40 or 80 steel pole,
outside dia. 3.500" (88.9 mm);
or 4" (100 mm) Schedule 40 or 80 steel pole,
outside dia. 4.500" (114.3 mm)

Item number	Rail / channel length	Module bolt sets	Fits Sch 40/80 pole size (in)	Shipping		List price
				Lbs	Inches	
400204	28"/30"	1	2½	12	31x4x4	\$182.00
400206	32"/25"	1	2½	15	33x4x4	184.00
400207	32"/35"	1	2½	16	36x4x4	196.00
400208	40"/25"	2	2½	19	41x4x4	200.00
400209	40"/35"	2	2½	20	41x4x4	212.00
400210	46"/30"	2	2½	21	47x4x4	222.00
400211	44"/25"	2	2½	20	45x4x4	208.00
400212	52"/32"	2	3	21	53x4x4	302.00
400213	52"/24"	2	3	20	53x4x4	290.00
400214	52"/40"	2	3	22	80x4x4	314.00
400215	60"/32"	2	3	24	61x4x4	314.00
400216	60"/24"	3	3	24	61x4x4	302.00
400218	64"/24"	3	3	24	65x4x4	308.00
400219	64"/40"	3	3	25	81x4x4	332.00
400220	68"/32"	3	3	24	69x4x4	326.00
400222	80"/32"	3	4	25	81x4x4	372.00
400223	80"/24"	4	4	25	81x4x4	360.00
400224	80"/40"	3	4	27	81x4x4	384.00
400225	84"/24"	4	4	30	85x4x4	366.00
400226	88"/32"	4	4	26	89x4x4	384.00
400227	88"/24"	4	4	26	89x4x4	372.00

Item number	Rail / channel length	Module bolt sets	Fits Sch 40/80 pole size (in)	Shipping		List price
				Lbs	Inches	
400228	96"/32"	3	4	27	97x4x4	\$396.00
400229	106"/24"	4	4	30	107x4x4	402.00
400230	96"/40"	3	4	30	97x4x4	408.00
400231	104"/32"	4	4	32	105x4x4	408.00
400232†	108"/40"	4	4	35	109x4x4	432.00
400233	56"/40"	2	3	24	57x4x4	320.00
400235	28"/25"	2	2½	14	29x4x4	176.00
400236	28"/40"	1	2½	15	41x4x4	194.00
400237	32"/40"	1	2½	15	41x4x4	202.00
400238	36"/30"	1	2½	19	37x4x4	198.00
400239*	38"/30"	1*	2½	20	39x4x4	194.00
400242	76"/32"	2	4	30	77x4x4	338.00
400243	54"/24"	2	3	22	55x4x4	296.00
400244	64"/32"	3	3	24	65x4x4	320.00
400245	76"/40"	2	4	29	77x4x4	350.00
400246	104"/40"	4	4	34	105x4x4	420.00
400247	98"/24"	3	4	28	99x4x4	387.00
400248	40"/40"	1	2½	17	41x4x4	218.00
400249*	72"/40"	2*	4	30	73x4x4	344.00
400250	66"/24"	3	3	24	67x4x4	311.00
400251	42"/25"	2	2½	16	43x4x4	204.00
400253	54"/32"	2	3	23	55x4x4	306.00
400254	86"/32"	4	4	30	87x4x4	384.00
400257	26"/35"	1	2½	14	36x4x4	184.00
400258	82"/32"	3	4	29	83x4x4	375.00
400259	92"/32"	4	4	35	93x4x4	390.00
400261†	108"/32"	4	4	38	109x4x5	417.00
400263	36"/24"	2	2½	15	37x4x4	192.00

* For use with Sanyo modules only. Top mounting clamp sets are substituted to accommodate the listed number of Sanyo modules.

† Ships via truck freight only; all others may ship UPS.

U-Bolt Substitution Chart for Alternate Pole Sizes and Wall Mounting

If you plan to mount your rack on a different size pole, use this chart to substitute larger U-bolts. On your order, list the substitution item number and amount. U-bolts up to 13 inches may be special ordered. Smaller-than-standard pole sizes are not recommended, except for Series 4011 and 4012. **For wall mounting**, U-bolts are removed and the dollar values (in parenthesis) are credited. These substitution charges apply to list prices only.

Series & standard Schedule 40/80 pole size	U-bolts	Schedule 40/80 pole size to be substituted				Wall mounting
		1½" (O.D. 1.900") 40 mm (O.D. 48.3 mm)	2½" (O.D. 2.875") 65 mm (O.D. 73.0 mm)	3" (O.D. 3.500") 80 mm (O.D. 88.9 mm)	4" (O.D. 4.500") 100 mm (O.D. 114.3 mm)	
4000 for 2-inch pole	1		990319 \$3.00	990320 \$3.50	990321 \$4.00	990318 (\$ 1.50)
4001 for 2½-inch pole	2			990323 6.00	990324 7.00	990322 (3.00)
4002 for 2½-inch pole	2			990323 6.00	990324 7.00	990322 (3.00)
4002 for 3-inch pole	4				990326 12.00	990325 (8.00)
4002 for 4-inch pole	4					990327 (10.00)
4011 for 2-inch pole	2	990334 \$1.50				
4012 for 2-inch pole	2	990334 1.50				
5000 for 2½-inch pole	2			990323 6.00	990324 7.00	

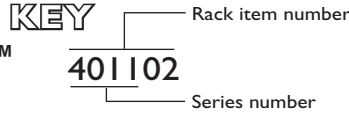
Configurations: Fixed Tilt PV PoleSides™ for One Module



Series 4011
for 2" (50 mm) Schedule 40 or 80 steel pole, outside dia. 2.375" (60.3 mm)



Series 4012
for 2" (50 mm) Schedule 40 or 80 steel pole, outside dia. 2.375" (60.3 mm)



Sizing Chart: Fixed Tilt PV PoleSides™
Select rack based on manufacturer, model number, and tilt angle of the module you plan to mount.

Module make and model	45° tilt	60° tilt
AEE		
AE85J	401224	401225
BP Solar		
BPSX5M, -10M	401102	
BPSX20M, -20U, -30M, -30U	401104	
BP350	401224	401225
BP365	401224	401225
BP380, -485	401224	401225
BP3125	401214	401216
BP3150, -3160, -4175; BPSX160B, -170B	401226	401227
Evergreen		
EC110, -115, -120	401214	401216
ES170RL, -180RL, -190RL	401228	401229
GE Energy		
GEPV030	401224	401225
GEPV072, -085	401224	401225
GEPV100, -110	401214	401216
GEPVp130	401214	401216
GEPV173	401228	401229
GEPVp185	401228	401229
GEPV200	401228	401229
Isofoton		
I-150S	401228	401229
IS-150	401226	401227
Kyocera		
KSS	401102	
KS10	401102	
KS20	401102	
KC50T	401210	401212
KCI130GT, -130TM	401214	401216
KCI175GT	401228	401229

Module make and model	45° tilt	60° tilt
Mitsubishi		
PVMF110EC3, -120EC3	401214	401216
Photowatt		
PW750, -1650	401228	401229
Sharp		
NE-80EJEA	401224	401225
ND-L3EJEA (123 watt)	401214	401216
ND-L5EIU (125 watt)	401214	401216
ND-N2ECU (142w)	401228	401229
ND-162UI, ND-167U3A	401228	401229
NE-170UI	401226	401227
ND-187UI	401228	401229
SolarWorld (Shell)		
80P, 85P	401224	401225
165-P, -PC; 175-P, -PC	401226	401227
SunPower		
SPR90, -95	401224	401225
SPR-200-BLK, 210, 215-BLK, 220,	401226	401227
Suntech		
STP060	401214	401216
STP110-24/Ab	401226	401227
STP175-24/Ab-1		
SunWize		
SW50C, -55, -60	401224	401225
SW85, -90, -90C	401224	401225
SW100, -115, -120	401214	401216
SW150	401226	401227
UniSolar		
US64	401226	401227
Yingli		
YL80, -85	401224	401225

Price List: Series 4011
Fixed Tilt PV PoleSides™

Model number	Tilt angle	Shipping		List price
		Lbs	Inches	
401102	45°	3	1x4x14	\$35.00
401104	45°	3	1x4x20	45.00

Price List: Series 4012
Fixed Tilt PV PoleSides™

Model number	Tilt angle	Shipping		List price
		Lbs	Inches	
401210	45°	6	3x20x37	\$ 99.00
401212	60°	6	3x15x25	95.00
401214	45°	6	3x24x42	109.00
401216	60°	6	3x24x42	105.00
401224	45°	7	3x20x37	95.00
401225	60°	7	3x20x37	92.00
401226	45°	7	3x24x42	116.00
401227	60°	7	3x24x42	109.00
401228	45°	7	3x20x37	124.00
401229	60°	7	3x20x37	117.00