



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 January 1, 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® 6–8
 - 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 5004/5024 and 5014/5034;
- A mounting pole of Schedule 40 steel pipe, 5 feet above ground for Series 5000 to 5003, 6 feet for Series 5004/5024 and 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.

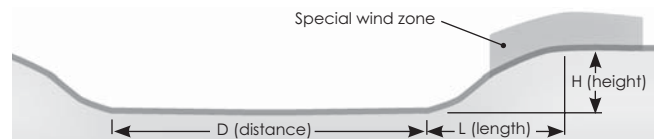
To determine your wind load, apply your basic wind speed and exposure category to the “Design Wind Pressures” table on this page. For example, if your basic wind speed is 100 miles per hour and your site fits Exposure Category C, you will require a rack with a Design Wind Pressure of 26 psf or greater.

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 5004/5024
with SolarMount® HD (heavy duty) rails for 6" (150 mm) Schedule 40 or 80 steel pole, outside dia. 6.625" (168.3 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 5004/5024 and 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

500428 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 500434 43	500438 29 501438 54	501478 45
BP Solar								
BP350	500024 165	500016 83	500105 75	500110 56	500323 48	500328 36	500493 42 501493 78	500429 30 501429 65
BP365	500023 133	500029 67	500103 60	500108 56	500321 38	500326 28	500423 35 501423 62	500427 26 501427 52
BP380, -485	500024 114	500016 57	500105 52	500110 39	500323 32	500328 25 500421 42	500493 29 501493 53	501429 44
BP3125	500044 46	500129 50	500132 33	500229 31	500315 20 500457 37	500463 22 501463 43	501468 34	501472 28
BP3150, -3160, -4175, -SX160B, -SX170B	500045 37	500130 39	500226 34	500340 23 500453 53	500459 27 501459 45	501466 33	501472 27	
Evergreen								
EC110, -115, -120	500036 56	500114 49	500121 32	500224 31	500342 19 500456 37	500462 22 501462 41	501467 33	501471 28
ES170RL, -180RL, -190RL	500039 39	500120 33	500230 28	500341 20 502404 40	503405 38	501470 29		
GE Energy								
GEPV045, -050	500007 131	500001 66	500108 59	500146 44	500326 37	500330 28 500425 42	502400 29 503400 61	501419 51
GEPV072, -085	500024 117	500030 59	500117 54	500122 40	500350 33	500336 25 500433 43	500437 30 501437 55	501441 46

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 500432 40	500437 24 501437 44	501444 35	501447 29
GEPVp130	500007 75	500133 51	500136 34	500225 32	500313 21 500432 38	500437 24 501437 44	501444 35	501447 29
GEPV173	500029 52	500121 35	500232 30	500335 22 500432 40	500439 21 501439 40	501447 30		
GEPVp185, -200	500029 51	500121 34	500232 29	500335 21 500432 40	501440 40	501447 30		
Isofoton								
I-100	500036 68	500114 59	500121 39	500224 37	500335 25 500432 45	500437 27 501437 51	501443 40	501447 34
I-150S	500041 45	500122 40	500233 33	500336 25 500433 43	500441 21 501441 45	501450 34		
Kaneka								
G-EA060, G-SA060	500014 49	500131 52	500241 45	500335 33	500439 32	501446 46		
Kyocera								
KC50T, -65T, -85T	500025 113	500031 57	500107 52	500113 39	500325 32 500486 59	500330 24 502401 37	500429 24 501429 53	501430 44
KCI30GT, -130TM	500043 50	500128 53	500131 35	500228 34	500342 23 500456 42	500462 26 501462 47	501467 37	501471 31
KCI75GT	500039 45	500132 40	500243 33	500313 25 500432 45	500440 22 501440 45	501447 34		
KC200GT	500014 32	500132 34	500243 30	500315 22 500457 42	500490 21 501490 41	501472 31		
Mitsubishi								
PVMF110EC3, -120EC3	500043 51	500128 53	500131 35	500228 35	500342 23 500456 43	500462 26 501462 47	501466 38	501470 31
PVMF125EA2LF, -130A2LF	500045 46	500130 51	500140 33	500340 31 500453 66	500301 21 500460 34	501466 43	501472 35	
PVMF160EB3, -165EB3, -170EB3	500045 37	500130 36	500214 33	500340 23 500453 53	500460 27 501460 45	501466 34	501472 27	
Photowatt								
PW6-110, -123	500043 49	500128 54	500131 35	500228 34	500342 22 500456 42	500462 26 501462 46	501467 37	501471 30
PW750	500035 84	500042 42	500119 49	500145 37	500334 31 500433 62	500309 23 500435 38	502403 27 503403 50	501444 42
PW1650	500041 43	500123 38	500233 31	500337 24 500434 42	500443 21 501443 43	501450 32		
Schott Solar								
ASE300-DGF 50	500128 45	500227 26		501446 36				
Sanyo*								
HIP180BA3, -186BA3, -190BA3, -195BA3, -200BA3	500002 62	500143 43	500240 36	500498 53	500495 27 501495 49	501487 37		
Sharp								
NE-80EJEA	500034 90	500041 45	500117 53	500123 39	500350 33 400496 69	500337 25 500434 43 501434 67	500494 29 401494 54	501478 45

Sharp and other module sizing continues on page 5

* 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 (continued)								
ND-L3EJEA (123w), -L5EIU (125w)	500044 47	500129 46	500132 31	500229 32	500315 20 500457 38	500463 24 501463 44	501468 35	501472 29
ND-N2ECU (142w)	500039 50	500136 43	500232 37	500313 27 500432 50	500440 26 501440 50	501447 37		
ND-162UI, -167U3A	500039 44	500136 39	500232 32	500313 24 500432 45	500440 22 401440 44	501447 33		
NE-170UI	500027 57	500106 39	500220 32	500348 23 500484 50	500489 26 501489 44	501468 33	501479 26	
ND-187UI	500039 39	500132 34	500243 29	500315 21 500457 40	501490 39	501472 29		
ND-200UI, -208UI	500039 36	500132 31	500243 26	500457 35 501457 50	501440 33	501472 25		
SolarWorld (Shell)								
80P, 85P	500024 117	500030 59	500117 54	500122 40	500350 33 500496 70	500336 25 500433 43 501433 69	500437 30 501437 55	501441 46
165P, -PC, 175P, -PC	500027 56	500118 38	500237 32	500348 21 500484 50	500489 26 501489 42	501467 31	501479 25	
SunPower								
SPR90, -95	500024 85	500030 68	500117 62	500122 46	500485 82	500327 29 500420 51	500425 35 501425 64	500428 26 501428 53
SPR200BLK, -210, -215BLK, -220	500038 47	500117 41	500214 34	500340 24 500453 53	500460 27 401460 46	501466 35	501472 28	
Suntech								
STP060	500007 145	500001 72	500108 66	500146 49	500326 42 500491 75	500425 46	502400 32 503400 68	501419 56
STP085S	500024 115	500016 57	500118 52	500123 39	500334 33 500431 67	500337 25 500434 42	500494 29 501494 54	501443 45
STP110-12Tb, -115-12/Tc, -120, -130, -140	500037 58	500133 51	500122 33	500235 31	500349 21 500481 38	500463 22 501463 43	501468 35	501479 29
STP110-24/Ab, STP175-24/Ab-I	500038 46	500118 40	500127 26 500237 33	500340 23 500453 53	500460 26 401460 45	501466 33	501472 27	
SunWize								
SW50C, 55, 60	500023 149	500029 74	500103 68	500108 51	500321 43	500326 31	500423 40 501423 70	500427 29 501427 58
SW85, -90, -90C	500035 69	500042 35	500119 41	500126 31	500347 26 500454 50	500458 30 501458 52	501464 41	501469 34
SW100, -115, -120	500036 63	500114 55	500121 36	500223 34	500342 23 500456 43	500461 26 501461 47	501466 37	501470 31
SW150, -155, -160	500038 45	500117 39	500236 32	500339 21 500452 53	500458 27 501458 40	501465 30	501470 24	
Uni-Solar								
ES62T	500038 58	500118 51	500139 33	500350 32 500431 67	500352 21 500436 34	501478 43	501447 35	
US64	500037 57	500135 50	500124 33	500339 31 500452 69	500317 20 500488 35	501490 43	501445 34	501451 28
Yingli								
YL80, -85	500024 117	500016 59	500106 54	500110 40	500351 33	500328 25 500421 43 501421 69	500493 29 501493 55	501429 46

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 5004/5024 Double Row PV PoleTops®



Series 5004/5024
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	
500420†	84"/72"	8	66	88x7x4	\$720.00
500421†	86"/72"	8	67	90x7x4	727.00
500423†	100"/72"	10	74	104x7x4	776.00
500425†	106"/72"	10	76	110x7x4	797.00
500427	120"/72"	12	86	124x7x4	846.00
500428	126"/72"	12	89	130x7x4	867.00
500429	130"/72"	12	91	134x7x4	881.00
500431†	66"/84"	6	65	88x7x4	677.00
500432†	80"/84"	6	69	88x7x4	726.00
500433†	84"/84"	8	73	88x7x4	740.00
500434†	86"/84"	8	74	90x7x4	747.00
500435†	90"/84"	8	75	92x7x4	761.00
500436†	98"/84"	6	77	104x7x4	789.00
500437†	106"/84"	10	82	106x7x4	817.00
500438	110"/84"	10	84	114x7x4	831.00
500439	116"/84"	6	86	120x7x4	852.00
500440	118"/84"	8	87	122x7x4	859.00
500441	126"/84"	12	92	130x7x4	887.00
500443	130"/84"	12	95	134x7x4	901.00
500452†	62"/102"	4	67	106x7x4	683.00
500453†	64"/102"	4	68	106x7x4	690.00
500454†	70"/102"	6	70	106x7x4	711.00
500456†	78"/102"	6	74	106x7x4	739.00
500457†	80"/102"	6	75	106x7x4	746.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping†		List price
			Lbs	Inches	
500458†	92"/102"	8	81	106x7x4	\$788.00
500459†	94"/102"	6	82	106x7x4	795.00
500460†	96"/102"	6	83	106x7x4	802.00
500461†	102"/102"	8	86	106x7x4	823.00
500462†	104"/102"	8	87	110x7x4	830.00
500463	108"/102"	8	89	112x7x4	844.00
500481†	82"/102"	6	76	106x7x4	753.00
500484†	66"/102"	4	67	106x7x4	697.00
500485†	64"/72"	6	57	76x7x4	650.00
500486†	78"/72"	6	64	82x7x4	699.00
500488†	88"/102"	6	79	106x7x4	774.00
500489†	98"/102"	6	84	106x7x4	809.00
500490	118"/102"	6	94	122x7x4	879.00
500491†	80"/72"	6	65	84x7x4	706.00
500493	108"/72"	10	80	112x7x4	804.00
500494	108"/84"	10	84	112x7x4	824.00
500495*	108"/84"	6*	84	112x7x4	824.00
500496†	64"/84"	6	61	88x7x4	670.00
500498*†	74"/84"	4*	65	88x7x4	705.00
Series 5004 continues as Series 5024					
502400	132"/72"	10	92	136x7x4	888.00
502401	104"/72"	8	77	108x7x4	790.00
502403†	112"/84"	10	86	116x7x4	838.00
502404†	76"/102"	4	72	106x7x4	732.00

* 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 5004 racks include a separate hardware box (20 lbs., 8 x 8 x 8 inches) in addition to the listed shipping box.

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	
501419	160"/72"	12	124	163x7x6	\$1,151.00
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
501433†	84"/84"	8	90	87x7x6	905.00
501434†	86"/84"	8	91	89x7x6	912.00
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
501445	148"/102"	10	118	149x7x6	1,149.00
501446	154"/84"	8	122	157x7x6	1,150.00
501447	158"/84"	12	123	161x7x6	1,164.00
501450	172"/84"	8	132	175x7x6	1,213.00
501451	176"/102"	12	133	179x7x6	1,247.00
501457†	80"/102"	6	93	83x7x6	911.00
501458†	92"/102"	8	97	105x7x6	953.00
501459†	94"/102"	6	98	105x7x6	960.00

Item number	Rail/ X-tube length	Module bolt sets	Shipping†		List price
			Lbs	Inches	
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
501464	116"/102"	10	106	119x7x6	1,037.00
501465	124"/102"	8	113	127x7x6	1,065.00
501466	128"/102"	10	115	131x7x6	1,079.00
501467	130"/102"	10	116	133x7x6	1,086.00
501468	134"/102"	10	118	137x7x6	1,100.00
501469	138"/102"	12	120	141x7x6	1,114.00
501470	154"/102"	12	128	157x7x6	1,170.00
501471	156"/102"	12	129	159x7x6	1,177.00
501472	160"/102"	12	132	163x7x6	1,191.00
501478	128"/84"	12	109	131x7x6	1,059.00
501479	164"/102"	12	134	167x7x6	1,205.00
501487*	144"/84"	8*	119	147x7x6	1,115.00
501489†	98"/102"	6	102	101x7x6	974.00
501490	118"/102"	8	112	121x7x6	1,044.00
501493	108"/72"	10	98	111x7x6	969.00
501494	108"/84"	10	102	111x7x6	989.00
501495*	108"/84"	6*	101	111x7x6	989.00
Series 5014 continues as Series 5034					
503400	132"/72"	10	110	135x7x6	1,053.00
503403	112"/84"	10	104	115x7x6	1,003.00
503405	114"/102"	6	110	117x7x6	1,030.00

* 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

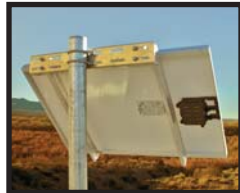
Item number	Description	Shipping wt.	List price
321218	Clips and hardware to mount one extra module	1 lb.	\$ 6.50
990204	Convert rack, place 3-inch model on 4-inch (100 mm) Schedule 40/80 pole, O.D. 4.500 inches (114.3 mm)		69.00
990300	Pole reducer, place 6-inch model on 8-inch (200 mm) Schedule 40/80 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	

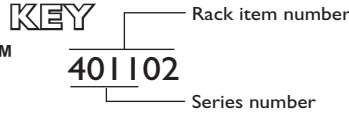
Configurations: Fixed Tilt PV PoleSides™ for One Module



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	Module make and model	45° tilt	60° tilt
AEE			Mitsubishi		
AE85J	401224	401225	PVMF110EC3, -120EC3	401214	401216
BP Solar			Photowatt		
BPSX5M, -10M	401102		PW750, -1650	401228	401229
BPSX20M, -20U, -30M, -30U	401104		Sharp		
BP350	401224	401225	NE-80EJEA	401224	401225
BP365	401224	401225	ND-L3EJEA (123 watt)	401214	401216
BP380, -485	401224	401225	ND-L5EIU (125 watt)	401214	401216
BP3125	401214	401216	ND-N2ECU (142w)	401228	401229
BP3150, -3160, -4175; BPSX160B, -170B	401226	401227	ND-162UI, ND-167U3A	401228	401229
Evergreen			NE-170UI	401226	401227
EC110, -115, -120	401214	401216	ND-187UI	401228	401229
ES170RL, -180RL, -190RL	401228	401229	SolarWorld (Shell)		
GE Energy			80P, 85P	401224	401225
GEPV030	401224	401225	165-P, -PC; 175-P, -PC	401226	401227
GEPV072, -085	401224	401225	SunPower		
GEPV100, -110	401214	401216	SPR90, -95	401224	401225
GEPVp130	401214	401216	SPR-200-BLK, 210, 215-BLK, 220,	401226	401227
GEPV173	401228	401229	Suntech		
GEPVp185	401228	401229	STP060	401214	401216
GEPV200	401228	401229	STP110-24/Ab	401226	401227
Isofoton			STP175-24/Ab-I		
I-150S	401228	401229	SunWize		
IS-150	401226	401227	SW50C, -55, -60	401224	401225
Kyocera			SW85, -90, -90C	401224	401225
KSS	401102		SW100, -115, -120	401214	401216
KS10	401102		SW150	401226	401227
KS20	401102		UniSolar		
KC50T	401210	401212	US64	401226	401227
KC130GT, -130TM	401214	401216	Yingli		
KC175GT	401228	401229	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



THE STANDARD IN PV MOUNTING STRUCTURES™