



No. Z2 084671 0039 Rev. 01

Holder of Certificate: Changzhou Almaden Co., Ltd

639, Qinglong East Road, 213000 Changzhou, Jiangsu PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: Crystalline Silicon Terrestrial Photovoltaic (PV) Modules

Poly & Mono-Crystalline Silicon Photovoltaic Module

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 704061705421-02

Valid until: 2023-09-06

Date, 2018-09-13 (Zhulin Zhang)

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Model(s):

Poly-crystalline module:

SEAP72W-xxx, xxx= 320 to 345 in step of 5 SEAP66W-xxx, xxx= 290 to 315 in step of 5 SEAP60W-xxx, xxx= 265 to 285 in step of 5 SEAP54W-xxx, xxx= 240 to 245 in step of 5 SEAP50W-xxx, xxx= 220 to 225 in step of 5 SEAP48W-xxx, xxx= 210 to 220 in step of 5 SEAP42W-xxx, xxx= 185 to 190 in step of 5 SEAP40W-xxx, xxx= 175 to 180 in step of 5 SEAP36W-xxx, xxx= 160 to 165 in step of 5 SEAP30W-xxx, xxx= 130 to 135 in step of 5 SEAP18W-xxx, xxx= 80 SEAP72B-xxx, xxx= 320 to 345 in step of 5 SEAP66B -xxx, xxx= 290 to 315 in step of 5 SEAP60B-xxx, xxx= 265 to 285 in step of 5 SEAP54B-xxx, xxx= 240 to 245 in step of 5 SEAP50B-xxx, xxx= 220 to 225 in step of 5 SEAP48B-xxx, xxx= 210 to 220 in step of 5 SEAP42B-xxx, xxx= 185 to 190 in step of 5 SEAP40B-xxx, xxx= 175 to 180 in step of 5 SEAP36B-xxx, xxx= 160 to 165 in step of 5 SEAP30B-xxx, xxx= 130 to 135 in step of 5 SEAP18B-xxx, xxx= 80 SEAP72T-xxx, xxx= 320 to 345 in step of 5 SEAP66T-xxx, xxx= 290 to 315 in step of 5 SEAP60T-xxx, xxx= 265 to 285 in step of 5 SEAP54T-xxx, xxx= 240 to 245 in step of 5 SEAP50T-xxx, xxx= 220 to 225 in step of 5 SEAP48T-xxx, xxx= 210 to 220 in step of 5 SEAP42T-xxx, xxx= 185 to 190 in step of 5 SEAP40T-xxx, xxx= 175 to 180 in step of 5 SEAP36T-xxx, xxx= 160 to 165 in step of 5 SEAP30T-xxx, xxx= 130 to 135 in step of 5 SEAP18T-xxx, xxx= 80 Mono-crystalline module:

SEAC72W-xxx, xxx= 335 to 365 in step of 5 SEAC66W-xxx, xxx= 305 to 335 in step of 5 SEAC60W-xxx, xxx= 275 to 305 in step of 5 SEAC54W-xxx, xxx= 250 to 275 in step of 5 SEAC50W-xxx, xxx= 230 to 255 in step of 5 SEAC48W-xxx, xxx= 220 to 245 in step of 5 SEAC42W-xxx, xxx= 195 to 210 in step of 5 SEAC40W-xxx, xxx= 185 to 200 in step of 5 SEAC36W-xxx, xxx= 165 to 180 in step of 5 SEAC30W-xxx, xxx= 135 to 150 in step of 5 SEAC18W-xxx, xxx= 80 to 90 in step of 5 SEAC72T-xxx, xxx= 335 to 365 in step of 5 SEAC66T-xxx, xxx= 305 to 335 in step of 5 SEAC60T-xxx, xxx= 275 to 305 in step of 5 SEAC54T-xxx, xxx= 250 to 275 in step of 5 SEAC50T-xxx, xxx= 230 to 255 in step of 5 SEAC48T-xxx, xxx= 220 to 245 in step of 5 SEAC42T-xxx, xxx= 195 to 210 in step of 5 SEAC40T-xxx, xxx= 185 to 200 in step of 5 SEAC36T-xxx, xxx= 165 to 180 in step of 5 SEAC30T-xxx, xxx= 135 to 150 in step of 5

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SEAC18T-xxx, xxx= 80 to 90 in step of 5 SEAC72B-xxx, xxx= 335 to 365 in step of 5 SEAC66B-xxx, xxx= 305 to 335 in step of 5 SEAC60B-xxx, xxx= 265 to 295 in step of 5 SEAC54B-xxx, xxx= 250 to 275 in step of 5 SEAC50B-xxx, xxx= 230 to 255 in step of 5 SEAC48B-xxx, xxx= 220 to 245 in step of 5 SEAC42B-xxx, xxx= 195 to 210 in step of 5 SEAC40B-xxx, xxx= 185 to 200 in step of 5 SEAC36B-xxx, xxx= 165 to 180 in step of 5 SEAC30B-xxx, xxx= 135 to 150 in step of 5 SEAC18B-xxx, xxx= 80 to 90 in step of 5 SEAB72W-xxx, xxx= 355 to 370 in step of 5 SEAB66W-xxx, xxx= 325 to 340 in step of 5 SEAB60W-xxx, xxx= 295 to 310 in step of 5 SEAB54W-xxx, xxx= 265 to 270 in step of 5 SEAB50W-xxx, xxx= 245 to 250 in step of 5 SEAB48W-xxx, xxx= 235 to 240 in step of 5 SEAB42W-xxx, xxx= 210 to 215 in step of 5 SEAB40W-xxx, xxx= 195 to 200 in step of 5 SEAB36W-xxx, xxx= 175 to 180 in step of 5 SEAB30W-xxx, xxx= 145 to 150 in step of 5 SEAB18W-xxx, xxx= 90 SEAB72T-xxx, xxx= 355 to 370 in step of 5 SEAB66T-xxx, xxx= 325 to 340 in step of 5 SEAB60T-xxx, xxx= 295 to 310 in step of 5 SEAB54T-xxx, xxx= 265 to 270 in step of 5 SEAB50T-xxx, xxx= 245 to 250 in step of 5 SEAB48T-xxx, xxx= 235 to 240 in step of 5 SEAB42T-xxx, xxx= 210 to 215 in step of 5 SEAB40T-xxx, xxx= 195 to 200 in step of 5 SEAB36T-xxx, xxx= 175 to 180 in step of 5 SEAB30T-xxx, xxx= 145 to 150 in step of 5 SEAB18T-xxx, xxx= 90 xxx is standing for rated output power at STC

Parameters:

Rated Output Power at

STC:

See the table below

Construction:

Frameless, with Junction box.

Cable and Connectors.

Safety Class:

Class II

Maximum System Voltage: 1500 V DC

Fire Safety Class:

Class A according to UL790

Yangzhou Opto-Electrical Products

Testing Institute, Test Laboratory:

No. 10 West Kaifa Road, Yangzhou,

225009 Jiangsu, P. R. China.

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Mono-crystalline module	Rated Output Power at STC
(xxx is standing for rated output power at STC)	
SEAC72W-xxx, xxx= 335 to 365 in step of 5	335 W, 340 W, 345 W, 350 W,
SEAC66W-xxx, xxx= 305 to 335 in step of 5	355 W, 360 W, 365 W, 305 W,
SEAC60W-xxx, xxx= 275 to 305 in step of 5	310 W, 315 W, 320 W, 325 W,
SEAC54W-xxx, xxx= 250 to 275 in step of 5	330 W, 335 W, 275 W, 280 W.
SEAC50W-xxx, xxx= 230 to 255 in step of 5	285 W, 290 W, 295 W, 300 W,
SEAC48W-xxx, xxx= 220 to 245 in step of 5	305 W, 250 W, 255 W, 260 W,
SEAC42W-xxx, xxx= 195 to 210 in step of 5	265 W, 270 W, 275 W, 230 W,
SEAC40W-xxx, xxx= 185 to 200 in step of 5	235 W, 240 W, 245 W, 250 W,
SEAC36W-xxx, xxx= 165 to 180 in step of 5	255 W, 220 W, 225 W,230 W,
SEAC30W-xxx, xxx= 135 to 150 in step of 5	235 W, 240 W, 245 W,195 W,
SEAC18W-xxx, xxx= 80 to 90 in step of 5	200 W, 205 W, 210 W,185 W,
	190 W, 195 W, 200 W, 165 W,
	170 W, 175 W,180 W, 135 W,
	140 W, 145 W,150 W, 80 W,
0540707	85 W, 90 W,
SEAC72T-xxx, xxx= 335 to 365 in step of 5	335 W, 340 W, 345 W, 350 W,
SEAC66T-xxx, xxx= 305 to 335 in step of 5	355 W, 360 W, 365 W, 305 W,
SEAC60T-xxx, xxx= 275 to 305 in step of 5 SEAC54T-xxx, xxx= 250 to 275 in step of 5	310 W, 315 W, 320 W, 325 W,
SEAC50T-xxx, xxx= 230 to 275 in step of 5	330 W, 335 W, 275 W, 280 W,
SEAC48T-xxx, xxx= 220 to 245 in step of 5	285 W, 290 W, 295 W, 300 W, 305 W, 250 W, 255 W, 260 W,
SEAC42T-xxx, xxx= 195 to 210 in step of 5	265 W, 270 W, 275 W, 280 W,
SEAC40T-xxx, xxx= 185 to 200 in step of 5	235 W, 240 W, 245 W, 250 W,
SEAC36T-xxx, xxx= 165 to 180 in step of 5	255 W, 220 W, 225 W,230 W,
SEAC30T-xxx, xxx= 135 to 150 in step of 5	235 W, 240 W, 245 W, 195 W,
SEAC18T-xxx, xxx= 80 to 90 in step of 5	200 W, 205 W, 210 W,185 W,
	190 W, 195 W, 200 W, 165 W,
	170 W, 175 W,180 W, 135 W,
	140 W, 145 W,150 W, 80 W,
	85 W, 90 W,
SEAC72B-xxx, xxx= 335 to 365 in step of 5	335 W, 340 W, 345 W, 350 W,
SEAC66B-xxx, xxx= 305 to 335 in step of 5	355 W, 360 W, 365 W, 305 W,
SEAC60B-xxx, xxx= 265 to 295 in step of 5	310 W, 315 W, 320 W, 325 W,
SEAC54B-xxx, xxx= 250 to 275 in step of 5	330 W, 335 W, 275 W, 280 W,
SEAC50B-xxx, xxx= 230 to 255 in step of 5	285 W, 290 W, 295 W, 300 W,
SEAC48B-xxx, xxx= 220 to 245 in step of 5	305 W, 250 W, 255 W, 260 W,
SEAC42B-xxx, xxx= 195 to 210 in step of 5	265 W, 270 W,275 W, 230 W,
SEAC40B-xxx, xxx= 185 to 200 in step of 5 SEAC36B-xxx, xxx= 165 to 180 in step of 5	235 W, 240 W, 245 W, 250 W,
SEAC30B-xxx, xxx= 135 to 150 in step of 5	255 W, 220 W, 225 W,230 W,
SEAC18B-xxx, xxx= 80 to 90 in step of 5	235 W, 240 W, 245 W,195 W, 200 W, 205 W, 210 W,185 W,
SELICIOS ANA, ANA SOLO DO III SIOP DI D	190 W, 195 W, 200 W, 165 W,
	170 W, 175 W, 180 W, 135 W,
	140 W, 145 W,150 W, 80 W,
	85 W, 90 W,
SEAB72W-xxx, xxx= 355 to 370 in step of 5	355 W, 360 W, 365 W, 370 W,
SEAB66W-xxx, xxx= 325 to 340 in step of 5	325 W, 330 W, 335 W, 340 W,
SEAB60W-xxx, xxx= 295 to 310 in step of 5	295 W, 300 W, 305 W, 310 W,
SEAB54W-xxx, xxx= 265 to 270 in step of 5	265 W, 270 W, 245 W, 250 W,
SEAB50W-xxx, xxx= 245 to 250 in step of 5	235 W, 240 W, 210 W, 215 W,
SEAB48W-xxx, xxx= 235 to 240 in step of 5	195 W, 200 W, 175 W, 180 W,
SEAB42W-xxx, xxx= 210 to 215 in step of 5	145 W, 150 W, 90 W,
SEAB40W-xxx, xxx= 195 to 200 in step of 5	
SEAB36W-xxx, xxx= 175 to 180 in step of 5	
SEAB30W-xxx, xxx= 145 to 150 in step of 5	1
SEAB18W-xxx, xxx= 90	
SEAB72T-xxx, xxx= 355 to 370 in step of 5	355 W, 360 W, 365 W, 370 W,
SEAB66T-xxx, xxx= 325 to 340 in step of 5	325 W, 330 W, 335 W, 340 W,
SEAB60T-xxx, xxx= 295 to 310 in step of 5	295 W, 300 W, 305 W, 310 W,
SEAB50T xxx xxx= 265 to 270 in step of 5	265 W, 270 W, 245 W, 250 W,
SEAB48T-vvv vvv= 235 to 240 in step of 5	235 W, 240 W, 210 W, 215 W,
SEAB48T-xxx, xxx= 235 to 240 in step of 5 SEAB42T-xxx, xxx= 210 to 215 in step of 5	195 W, 200 W, 175 W, 180 W,
SEAB40T-xxx, xxx= 195 to 200 in step of 5	145 W, 150 W, 90 W
SEAB36T-xxx, xxx= 175 to 180 in step of 5	
SEAB30T-xxx, xxx= 145 to 150 in step of 5	
SEAB18T-xxx, xxx= 90	
SEAB18T-xxx, xxx= 90	





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Poly-crystalline module	Rated Output Power at STC
(xxx is standing for rated output power at STC)	Nated Sulput Fower at 515
	200 M 205 M 200 M 205 M
SEAP72W-xxx, xxx= 320 to 345 in step of 5 SEAP66W-xxx, xxx= 290 to 315 in step of 5	320 W, 325 W, 330 W, 335 W,
SEAP60W-xxx, xxx= 290 to 313 in step of 5	340 W, 345 W, 290 W, 295 W,
SEAP54W-xxx, xxx= 240 to 245 in step of 5	300 W, 305 W, 310 W, 315 W,
SEAP50W-xxx, xxx= 240 to 245 in step of 5	265 W, 270 W, 275 W, 280 W,
SEAP48W-xxx, xxx= 210 to 220 in step of 5	285 W, 240 W, 245 W, 220 W,
SEAP42W-xxx, xxx= 185 to 190 in step of 5	225 W, 210 W, 215 W, 220 W,
SEAP40W-xxx, xxx= 175 to 180 in step of 5	185 W, 190 W, 175 W, 180 W,
SEAP36W-xxx, xxx= 160 to 165 in step of 5	160 W, 165 W, 130 W, 135 W, 80 W
SEAP30W-xxx, xxx= 130 to 135 in step of 5	00 VV
SEAP18W-xxx, xxx= 80	
	200 W 205 W 200 W 205 W
SEAP72B-xxx, xxx= 320 to 345 in step of 5 SEAP66B -xxx, xxx= 290 to 315 in step of 5	320 W, 325 W, 330 W, 335 W,
	340 W, 345 W, 290 W, 295 W,
SEAP60B-xxx, xxx= 265 to 285 in step of 5 SEAP54B-xxx, xxx= 240 to 245 in step of 5	300 W, 305 W, 310 W, 315 W,
	265 W, 270 W, 275 W, 280 W,
SEAP50B-xxx, xxx= 220 to 225 in step of 5 SEAP48B-xxx, xxx= 210 to 220 in step of 5	285 W, 240 W, 245 W, 220 W,
SEAP42B-xxx, xxx= 185 to 190 in step of 5	225 W, 210 W, 215 W, 220 W,
SEAP42B-xxx, xxx= 175 to 180 in step of 5	185 W, 190 W, 175 W, 180 W,
SEAP36B-xxx, xxx= 160 to 165 in step of 5	160 W, 165 W, 130 W, 135 W,
	80 W
SEAP30B-xxx, xxx= 130 to 135 in step of 5	
SEAP18B-xxx, xxx= 80	200 111 005 111 000 111 005 111
SEAP72T-xxx, xxx= 320 to 345 in step of 5	320 W, 325 W, 330 W, 335 W,
SEAP66T-xxx, xxx= 290 to 315 in step of 5	340 W, 345 W, 290 W, 295 W,
SEAP60T-xxx, xxx= 265 to 285 in step of 5	300 W, 305 W, 310 W, 315 W,
SEAP54T-xxx, xxx= 240 to 245 in step of 5	265 W, 270 W, 275 W, 280 W,
SEAP50T-xxx, xxx= 220 to 225 in step of 5	285 W, 240 W, 245 W, 220 W,
SEAP48T-xxx, xxx= 210 to 220 in step of 5	225 W, 210 W, 215 W, 220 W,
SEAP42T-xxx, xxx= 185 to 190 in step of 5	185 W,190 W, 175 W,180 W,
SEAP40T-xxx, xxx= 175 to 180 in step of 5	160 W,165 W,130 W,135 W,
SEAP36T-xxx, xxx= 160 to 165 in step of 5	80 W
SEAP30T-xxx, xxx= 130 to 135 in step of 5	
SEAP18T-xxx, xxx= 80	
Tootod IFC 61215-1(ed 1	

Tested

according to:

|EC 61215-1(ed.1) |
|EC 61215-1-1(ed.1) |
|EC 61215-2(ed.1) |
|EC 61730-1(ed.2) |
|EC 61730-2(ed.2) |
|EC 61730-2(ed.2) |

Production Facility(ies):

001956, 002052, 084671

John