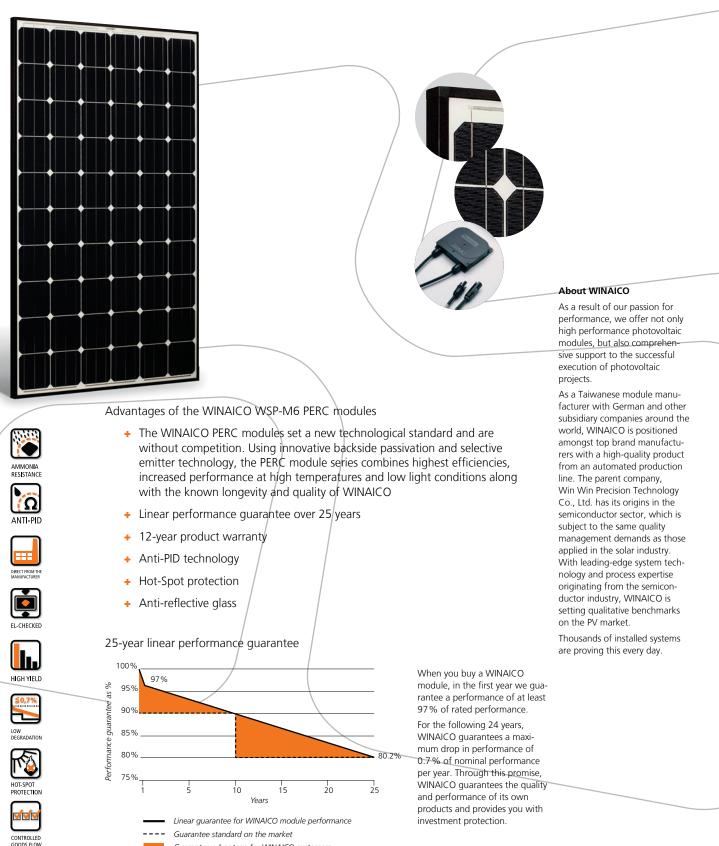
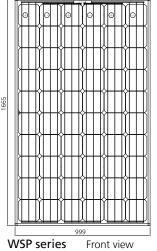


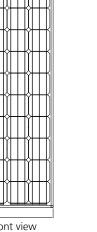
WINAICO WSP-M6 PERC Series, Mono

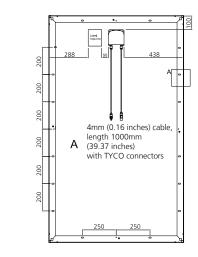


Guarantee advantage for WINAICO customers









Rear view

inches)

Mechanical data

Cell	Monocrystalline 156 x 156 silicon cells
Quantity and wiring of cells	60 in series
Dimensions	1,665 x 999 x 40 mm (65.55 x 39.33 x 1.57 in
Weight	19.6 kg
Glass thickness	3.2 mm (0.13 inches)
Connection type	Tyco connection socket and connector (IP 65)
Backsheet	Black or white

Limit	values	
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Operating temperature Storage temperature Maximum system voltage Maximum load Maximum reverse current –40 to +90°C

-40 to +90°C

1,000 VDC

5,400 N/m²

15 A

Voltages higher than V_{oc} of the

module should not be applied

Maximum series fuse rating

Electrical data (STC)		WSP-270M6	WSP-275M6	WSP-280M6	WSP-285M6	WSP-290M6	
Module type		mono	mono	mono	mono	mono	
Nominal performance	P _{max}	270	275	280	285	290	Wp
No-load voltage	V _{oc}	38.06	38.25	38.45	38.64	38.83	V
Short circuit current	I_{sc}	9.24	9.34	9.44	9.54	9.64	А
Voltage at max. performance	V_{mpp}	30.59	30.98	31.37	31.76	32.16	V
Current at max. performance	I _{mpp}	8.83	8.88	8.93	8.98	9.03	А
Module efficiency		16.24	16.54	16.84	17.15	17.46	%
Temperature coefficient performance	P _{mpp}	-0.4371	-0.4371	-0.4371	-0.4371	-0.4371	%/°C
Temperature coefficient short circuit current	I _{sc}	0.0466	0.0466	0.0466	0.0466	0.0466	%/°C
Temperature coefficient no-load voltage	V _{oc}	-0.3094	-0.3094	-0.3094	-0.3094	-0.3094	%/°C

Reduction in the module efficiency rating from 1,000 W/m² to 200 W/m²: < 4%. The electrical data applies under standard test conditions (STC): Solar radiation 1,000 W/m² with light spectrum AM 1,5 with a cell temperature of 25 °C. Measurement tolerance of P_{MPP} under STC –3/+3%. Accuracy of other electrical data -10/+10%. Subject to specification changes.

Electrical data (NOCT)		WSP-270M6	WSP-275M6	WSP-280M6	WSP-285M6	WSP-290M6	
Nominal performance	P _{max}	199.41	203.12	206.84	210.58	214.39	Wp
No-load voltage	V _{oc}	34.86	35.03	35.22	35.39	35.57	V
Short circuit current	I _{sc}	7.42	7.50	7.58	7.66	7.74	А
Voltage at max. performance	$V_{\rm mpp}$	27.89	28.25	28.60	28.96	29.32	V
Current at max. performance	I _{mpp}	7.15	7.19	7.23	7.27	7.31	A
Module efficiency		11.99	12.21	12.44	12.66	12.89	%

The electrical data applies under standard operating conditions of the cells: 800 W/m²; 20 °C; AM 1,5; wind speed 1m/s. NOCT: 44.7°C (normal operating cell temperature). Subject to specification changes.











WINAICO is a trademark of Win Win Precision Technology Co., Ltd.

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