

MySE6.0MW Product Line

Model	Unit	MySE5.5-155	MySE7.25/7.0-158	MySE6.45-180
General Data				
Rated power	kW	5500	7250/7000	6450
Designed wind zone class		IEC IB	IEC IB	IEC S
Cut-in wind speed	m/s	3	3	3
Rated wind speed	m/s	10.1 (static state)	11.1 (static state)	10.5 (static state)
Cut-out wind speed	m/s	30 (3s Average)	30 (3s Average)	30 (3s Average)
Designed lifetime	year	25	25	25
WTGS operating temperature	℃	-10～+40		
WTGS survival temperature	℃	-20～+50		
Adaptable environment		Offshore, Anti-typhoon		
Rotor System				
Rotor diameter	m	158	158	178
Swept area	m²	19607	19607	24884
Generator				
Type of generator		Permanent Magnet Synchronous Generator		
Rated voltage	V	690	690	710
Rated speed	rpm	278	278	250
Weight	ton	45	51	51
Dimensions	m	ø4.1425×2.195 max.	ø4.1425×2.683 max.	ø4.1425×2.683 max.
Cooling mode		Air-air cooling	Air-water cooling	Air-water cooling
Efficiency		0.98		
Converter				
Converter type		Full Power Converter		
Power Factor Adjustment Range		-0.95～+0.95		
Rated Frequency	Hz	50		
Rated output power	kW	5800	7400	6750
Rated output voltage	V	690		
Efficiency		0.97		

Gearbox				
Type		Secondary planetary gearbox		
Speed ratio		1: 23.187		
Weight	ton	Appr.68	Appr.76	Appr.76
Dimensions	m	ø4.663×1.988 max.	ø4.663×2.192 max.	ø4.663×2.192 max.
Cooling mode		Oil cooling		
Efficiency		0.98		
Control system				
Type		PLC		
Lightning protection				
Lightning Protection Design Standard		According to IEC61400/24-2002 and IEC62305-2006 standards, conform to GL2003 certification standard		
Lightning protection		To meet the latest requirements of the power grid, Protection Level IP67		
Grounding resistance	Ω	≤4		
Foundation				
Foundation type		Jacket/Monopile/Pile cap		
WTGS Weight				
Blade	ton	36	36	31
Rotor	ton	201	201	184
Nacelle	ton	230	254	247
Dimensions				
Blade	m	76.6	76.6	86.5
Rotor	m	Φ158×6.534	Φ158×6.534	Φ178×8.481
Rotor Hub	m	6.351×5.724×6.081	6.351×5.724×6.081	6.333×5.764×6.111
Nacelle	m	9.30×5.485×9.19	9.50×5.48×9.19	10.36×5.478×9.207