

SKY Series CORELESS GENERATOR



Features

SKY Series was specially designed for small wind-generated electricity business, and has the following features.

- High output with low-speed rotation
- Cogging Torque and Rotation loss do not occur

Mode	SKY-HR125			SKY-HR160			SKY-HR200			SKY-HR250			SKY-HR300		
Output	35W (600rpm)			100W (500rpm)			200W (350rpm)			300W (300rpm)			500W (300rpm)		
External dimensions	φ 126mmx45mm			φ 162mmx68mm			φ 202mmx72.0mm			φ 252mmx80.0mm			φ 303mmx96mm		
Structure	Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure		
Number of poles	24 poles			32 poles			32 poles			32 poles			40 poles		
Magnet materials	Rare earth magnet			Rare earth magnet			Rare earth magnet			Rare earth magnet			Rare earth magnet		
Number of the coils	18pcs (6pcs/3phase)			24pcs (8pcs/3phase)			24pcs (8pcs/3phase)			24pcs (8pcs/3phase)			30pcs (10pcs/3phase)		
RPM	200rpm	/400rpm	600rpm	200rpm	350rpm	500rpm	150rpm	250rpm	350rpm	150rpm	200rpm	300rpm	100rpm	200rpm	300rpm
Voltage (V)	34.3	68.9	102.8	45.2	79.1	112	33.5	56.3	78.6	48.9	65.4	97.7	58	117	174.1
Current (A)	0.116	0.233	0.348	0.38	0.67	0.94	1.11	1.87	2.62	1.63	2.18	3.26	0.97	1.96	2.92
Output (W)	3.97	16.07	35.76	17.2	52.8	105.7	37.3	105.6	205.8	79.7	142.7	319.1	56.1	229.4	507.7

Mode	SKY-HG350			SKY-HG350W			SKY-HG450			SKY-HG450W			SKY-HG600		
Output	1kW (300rpm)			2kW (350rpm)			3kW (300rpm)			5kW (350rpm)			10KW (300rpm)		
External dimensions	φ 353mmx102mm			φ 353mmx119mm			φ 454mmx153mm			φ 454mmx167mm			φ 605mmx200mm		
Structure	Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure			Permanent rare earth magnet type axial outer rotor form, Coreless structure		
Number of poles	40 poles			40 poles			48 poles			48 poles			48 poles		
Magnet materials	Rare earth magnet			Rare earth magnet			Rare earth magnet			Rare earth magnet			Rare earth magnet		
Number of the coils	30pcs (10pcs/3phase)			30pcs (10pcs/3phase)			36pcs (12pcs/3phase)			36pcs (12pcs/3phase)			36pcs (12pcs/3phase)		
RPM	100rpm	200rpm	300rpm	100rpm	200rpm	350rpm	100rpm	200rpm	300rpm	100rpm	200rpm	350rpm	100rpm	200rpm	300rpm
Voltage (V)	60.2	120.4	179.1	47.4	95.1	162.1	76.8	151.7	223	76.1	150.9	255.3	166.4	332.6	492.3
Current (A)	2	4.02	5.99	3.95	7.93	13.5	5.12	10.12	14.87	6.3	12.58	21.3	6.97	13.91	20.53
Output (W)	484.2	484.2	1072	187	754.4	2192	393.8	1536	3317	482	1897	5426	1160	4627	10105

*Specifications could be changed without notice.