

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

| Model | SKY-HR125 | | | SKY-HR160 | | | SKY-HR200 | | | SKY-HR250 | | | SKY-HR300 | | |
|---------------------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|
| Output | 35W (600rpm) | | | 100W (500rpm) | | | 200W (350rpm) | | | 300W (300rpm) | | | 500W (300rpm) | | |
| External dimensions | 125mmx45mm | | | 160mmx70mm | | | 200mmx78.0mm | | | 250mmx85.0mm | | | 300mmx100mm | | |
| 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) | 15.4 | 31.54 | 47.13 | 21.6 | 38.18 | 54.16 | 20.98 | 35.25 | 49.66 | 41.2 | 55.13 | 82.59 | 29.69 | 60.31 | 89.91 |
| Current (A) | 0.251 | 0.516 | 0.771 | 0.785 | 1.404 | 1.993 | 1.71 | 2.88 | 4.06 | 2.01 | 2.69 | 4.04 | 1.95 | 3.95 | 5.89 |
| Output (W) | 3.87 | 16.27 | 36.35 | 16.94 | 53.51 | 107.67 | 35.94 | 101.5 | 201.5 | 82.86 | 148.5 | 333.6 | 57.8 | 238.3 | 529.4 |

| Model | SKY-HR350 | | | SKY-HR350W | | | SKY-HG450 | | | SKY-HG450W | | | SKY-HG600 | | |
|---------------------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|
| Output | 1kW (300rpm) | | | 2kW (350rpm) | | | 3kW (300rpm) | | | 5kW (350rpm) | | | 10kW (300rpm) | | |
| External dimensions | 350mmx107mm | | | 350mmx117mm | | | 450mmx142mm | | | 450mmx148mm | | | 600mmx188mm | | |
| 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 | | | 64 poles | | |
| Magnet materials | Rare earth magnet | | | Rare earth magnet | | | Rare earth magnet | | | Rare earth magnet | | | Rare earth magnet | | |
| Number of the coils | 36pcs (12pcs / 3phase) | | | 30pcs (10pcs / 3phase) | | | 36pcs (12pcs / 3phase) | | | 36pcs (12pcs / 3phase) | | | 48pcs (16pcs / 3phase) | | |
| RPM | 100rpm | 200rpm | 300rpm | 100rpm | 200rpm | 350rpm | 100rpm | 200rpm | 300rpm | 100rpm | 200rpm | 350rpm | 100rpm | 200rpm | 300rpm |
| Voltage (V) | 30.87 | 62 | 91.58 | 54 | 108.9 | 184.7 | 92.7 | 183.7 | 271.3 | 116.3 | 231 | 393.3 | 180.7 | 358.5 | 529.6 |
| Current (A) | 3.74 | 7.534 | 11.15 | 3.51 | 7.02 | 12 | 4.52 | 8.94 | 13.16 | 3.8 | 7.53 | 12.72 | 6.6 | 13.04 | 19.03 |
| Output (W) | 115.5 | 467.1 | 1020.8 | 189.6 | 759 | 2217 | 419.4 | 1647 | 3575 | 442.9 | 1744 | 5003 | 1193 | 4676 | 10079 |

*Specifications could be changed without notice.