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850W 60V 1500rpm BLDC Motor Drives

| | |
|---------------|--------------------|
| Model Number: | BLDC0.85-100 |
| Type: | Brushless DC Motor |
| Output Power: | 1.1HP |
| DC Voltage: | 60V |
| Speed Range: | 1500 rpm |
| Poles: | 4P, 6P, 8P... |

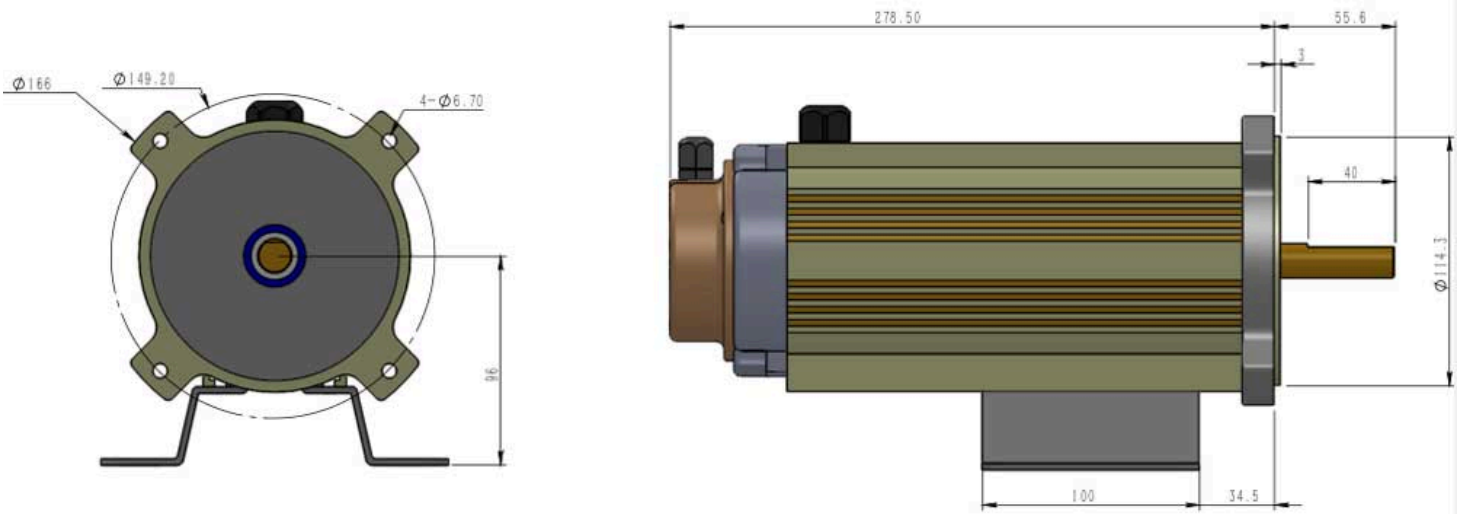
Detailed information

| | | | | | |
|---------------|---|------------------|----------------------------|-------------------|-------------------------------|
| Brand Name: | Volcano Electric | Model Number: | BLDC0.85-100 | Type: | Brushless DC Motor |
| Output Power: | 1.1 HP (850W) | DC Voltage: | 60V | Speed Range: | 1500 RPM |
| Controller: | Customized, Optional | Braker: | Optional | Insulation Class: | Class B/F/H |
| Enclosure: | IP44 / IP54 | Poles: | 4P, 6P, 8P... | Wire: | 100% copper |
| Housing: | Aluminum | Efficiency: | IE 4.0 | | |
| Duty: | S1 (continuous) | Place of Origin: | Zhejiang, China (Mainland) | Standard: | IEC standard or NEMA standard |
| Application: | Boat, Car, Electric Bicycle, Fan, Home Appliance, Traction Motor, Solar Pump DC systems, bus A/C systems ,Other | | | | |

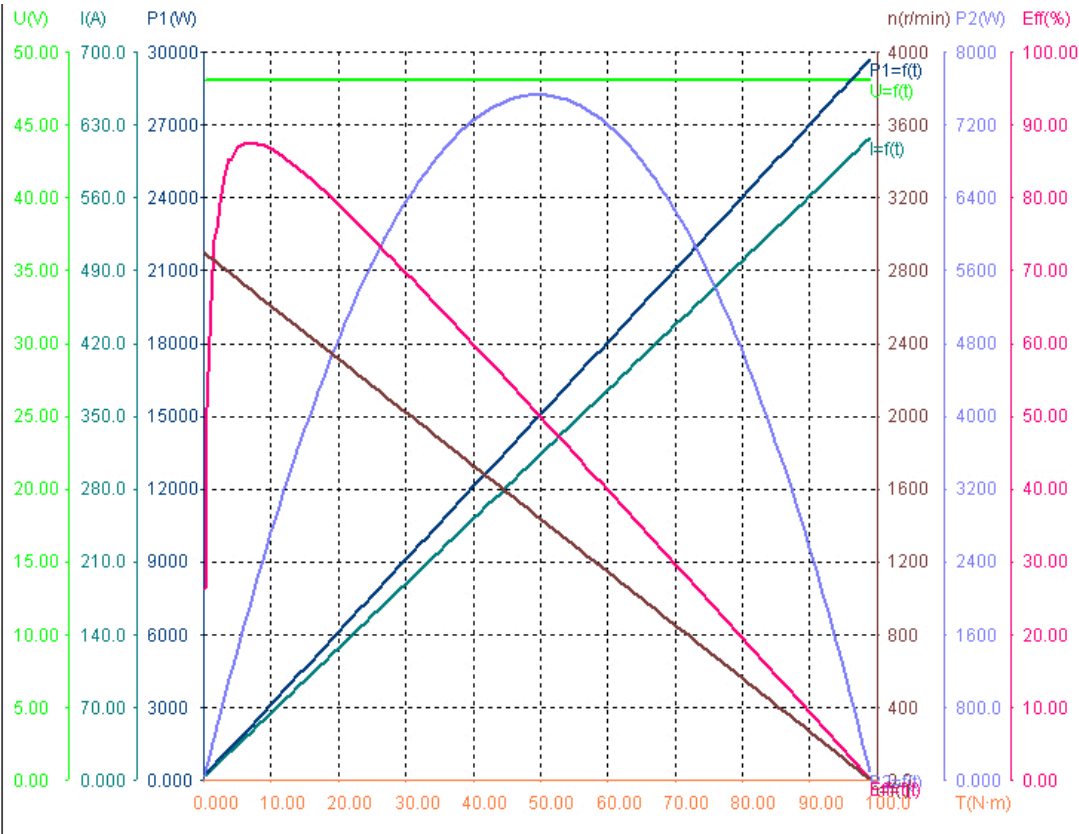
Product Description

850W 60V 1500rpm Brushless DC motor and BLDC Motor drives are built upon advanced control technology that features excellent performance and ease of use. These brushless systems are aimed at applications requiring high performance, high speed stability, basic velocity control, simple setup and low cost in a compact design.

Configuration



*CAN MAKE ACCORDING TO YOUR REQUIRMENT



| Model | Power Kw | Voltage V | Current A | Speed Rpm | Nominal torque N.m | Efficiency % | Noise dB |
|--------------|----------|-----------|-----------|-----------|--------------------|--------------|----------|
| BLDC0.3-150 | 0.3 | 24V | 14.7 | 1500 | 1.91 | 85 | 60 |
| BLDC0.3-150 | 0.375 | 24V | 18.4 | 2000 | 1.79 | 85 | 60 |
| BLDC0.9-100 | 0.9 | 48V | 22 | 2700 | 3.31 | 85 | 60 |
| BLDC0.85-100 | 0.85 | 60V | 16.7 | 1500 | 5.41 | 85 | 60 |

| | | | | | | | |
|---------------------|------|-----|-------|------|-------|------|------|
| BLDC0.75-100 | 0.75 | 74V | 11.9 | 1100 | 6.51 | 85 | 60 |
| BLDC0.75-100 | 0.75 | 24V | 36.7 | 2400 | 2.98 | 85 | 60 |
| BLDC1-100 | 1 | 72V | 16.3 | 1900 | 5.02 | 85 | 60 |
| BLDC1-100 | 1 | 48V | 24.5 | 2500 | 3.82 | 85 | 60 |
| BLDC1.05-100 | 1.05 | 36V | 34.3 | 2000 | 5.01 | 85 | 60 |
| BLDC1.13-101 | 1.13 | 36V | 36.9 | 1800 | 5.97 | 85 | 60 |
| BLDC1.2-100 | 1.2 | 36V | 39.2 | 2270 | 5.05 | 84 | 80 |
| BLDC1.3-100 | 1.3 | 48V | 31.8 | 3000 | 4.13 | 85 | 60 |
| BLDC1.4-100 | 1.4 | 60V | 27.5 | 2600 | 5.14 | 85 | 60 |
| BLDC1.5-100 | 1.5 | 24V | 73.5 | 2590 | 5.53 | 85 | 61 |
| BLDC2-100 | 2 | 24V | 98 | 3360 | 5.68 | 84.5 | 61.5 |
| BLDC2.5-100 | 2.5 | 24V | 122.5 | 3350 | 7.13 | 84.7 | 61.5 |
| BLDC3-100 | 3 | 48V | 73.5 | 2650 | 10.81 | 92.5 | 61 |

Advantages of Brushless DC motor:

- Lower Maintainance and longer lifetime - no brush and commutator erosion
- Lower noise - the elimination of brush contact
- Higher power to weight ratio
- Higher efficiency (in general higher than 90%)
- Lower temperature rise - more efficient heat dissipation due to winding construction
- Reduction of EMI

For customized DC Motors, please contact our technician, Ordinary, we have to know the following information to get a professional proposal:

- **Brushed or Brushless** Customer preference
- **Output power (W)** Horsepower/watts/torque rated at full load speed
- **Voltage (V)** i.e 12v DC 220v AC
- **Motor speed (RPM)** Revolutions per minute of the shaft at full load Voltage
- **Application** e.g. traction, airconditioning, etc.
- **Duty** Most motors are rated continuous. Some applications however may use motors designed for intermittent duty
- **Configuration/Frame** Our products are according to IEC standard, we also can customize the flange and shaft according to the customer drawing
- **Controller function** e.g. forward/reverse, variable speed, acceleration profile, etc.

[Previous 36V Brushless DC Motor Driver](#)

[Next 1000 Watt 72V Brushless DC Motor](#)

You may like:

| | | | | |
|--|--|--|---|--|
|   |   |   |   |   |
| 220V 750W 3000RPM 6P Brushless DC Motor | 48v 1kw 3000rpm Brushless Dc Motor For Electric Vehicle | 48V High Torque 1000W Hall Sensor EV Motor | 30V 1000W IP54 Brushless DC EV Motor With Hall Sensor | BLDC 24V 1200W 2300RPM EV Motor High Efficiency |

| |
|--|
|   |
| 48V 1000W IP54 Brushless DC Motor Hall Sensor |

| | | | |
|--|--|--|---|
|   |   |   |   |
| 24V Brushless DC Motor 3000rpm for Vehicle | 24V 750W 3000RPM Brushless DC Motor | High efficiency 1000w 110v 1500rpm Brushless DC Motor | Custom 1.5KW 48V 1800RPM Brushless DC Motor |

DC Motor Manufacturer & Supplier in China
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