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48V High Torque 1000W Hall Sensor EV Motor

Model Number:	VOL-BL100C48
Type:	Brushless DC Motor
Output Power:	1KW
DC Voltage:	48V
Speed Range:	2500 RPM
Poles:	4P, 6P, 8P...

Detailed information	
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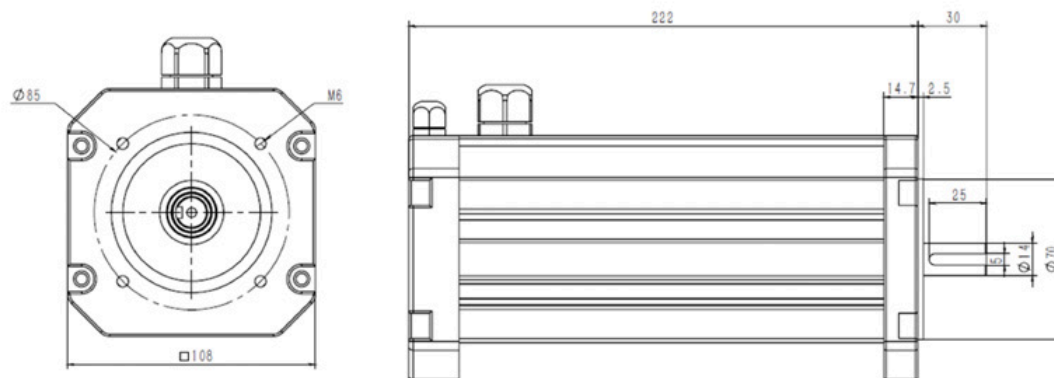
Brand Name:	Volcano Electric	Model Number:	VOL-BL100C48	Type:	Brushless DC Motor
Output Power:	1000W	DC Voltage:	48V	Speed Range:	2500 RPM
Controller:	Customized, Optional	Braker:	Optional	Insulation Class:	Class B/F/H
Enclosure:	IP44/IP54	Poles:	4P, 6P, 8P...	Wire:	100% copper
Current:	58.82A	Sensor:	Hall sensor, Optional	Certification:	CE,UL,ROHS
Housing:	Aluminum frame	Efficiency:	up to 84.7		
Duty:	S1 (continuous)	Place of Origin:	Zhejiang, China (Mainland)	Standard:	IEC/NEMA
Application:	Boat, Car, EV, Fan, Home Appliance, Traction Motor, Pump, bus A/C systems ,Other				

Product Description

Volcano electric BLDC Motor 48V, 1000W, 2500RPM, IP54 duty continues, along with hall sensor and controller. Motor gross weight round 7.2kgs, Rated power of this motor is 1000W, it gives round 3.28N.m under rated power and the efficiency can as high as 84.7%, under rated power, the motor gives 22.21A and rotation of this motor is CW and CCW. Mounting method of this motor is B14, we can also provide B3 and B5. For the frame of motor, we can also provide customized frame like IEC and NEMA.

There are three most famous electric machine applied in EV markets are brushed external motor, brushless asynchronous motor and the brushless permanent magnet synchronous motor. The whole concept of a electric vehicle motor machine can be very complicated, Volcano Electric has a professional team ready to support you to choose and built a most suitable motor for your EV motor.

If you have interesting for this motor, please feel free to contact us by info@volcanomotor.com

Configuration

***CAN MAKE ACCORDING TO YOUR REQUIRMENT**

Brushless motor list

Motor type	Output	Voltage	Load	Speed	Rated Torque	Poles	Efficiency	Noise
	KW	V	A	RPM	N.m		%	dB
VOL-BL020C24	0.2	24	10.7	1500	1.27	8	89	62
VOL-BL090C24	0.9	24	44.6	2600	3.31	8	84	60
VOL-BL100C30	1	30	43	1200	7.96	8	88	60
VOL-BL120C24	1.2	24	64.5	2300	4.98	8	89	60
VOL-BL120C36	1.2	36	39.7	2270	5.05	8	84	60
VOL-BL125C24	1.25	24	62	3200	3.73	8	84	60
VOL-BL130C36	1.3	36	40.12	3200	3.88	8	90	60
VOL-BL150C24	1.5	24	73.5	2590	5.53	8	85	61
VOL-BL150C310	1.5	310	6.2	3500	4.09	8	89	61
VOL-BL200C24	2	24	98.6	3360	5.68	8	84.5	61.5
VOL-BL100C48	1	48	26.9	2500	3.82	8	84.7	61.5

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
- Simple structure
- 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.

You may like:

 	 	 	 	 
220V 750W 3000RPM 6P Brushless DC Motor	48v 1kw 3000rpm Brushless Dc Motor For Electric Vehicle	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	48V 750W 3000RPM Sensored Brushless DC Motor

DC Motor Manufacturer & Supplier in China
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