



Specification

|                           |               |                             |                                     |
|---------------------------|---------------|-----------------------------|-------------------------------------|
| Test Item                 | MN3510 KV360  | Configuration               | 12N14P                              |
| Internal Resistance       | 188m $\Omega$ | Motor Dimensions            | $\text{Ø}41.8 \times 28.5\text{mm}$ |
| Shaft Diameter            | 4mm           | Stator Height               | 10mm                                |
| Stator Diameter           | 35mm          | Cable Length                | 600mm                               |
| AWG                       | 18#           | Weight Excluding Cables     | 97g                                 |
| Weight Including Cables   | 117g          | Idle Current@10v            | 0.4A                                |
| No.of Cells(Lipo)         | 3-6S          | Max Continuous Current 180S | 15A                                 |
| Max Continuous Power 180S | 330W          |                             |                                     |
| Test Item                 | MN3510 KV630  | Configuration               | 12N14P                              |
| Internal Resistance       | 65m $\Omega$  | Motor Dimensions            | $\text{Ø}41.8 \times 28.5\text{mm}$ |
| Shaft Diameter            | 4mm           | Stator Height               | 10mm                                |
| Stator Diameter           | 35mm          | Cable Length                | 600mm                               |
| AWG                       | 18#           | Weight Excluding Cables     | 97g                                 |
| Weight Including Cables   | 119g          | Idle Current@10v            | 0.5A                                |
| No.of Cells(Lipo)         | 3-4S          | Max Continuous Current 180S | 22A                                 |
| Max Continuous Power 180S | 495W          |                             |                                     |

|                           |              |                             |              |
|---------------------------|--------------|-----------------------------|--------------|
| Test Item                 | MN3510 KV700 | Configuration               | 12N14P       |
| Internal Resistance       | 50mΩ         | Motor Dimensions            | Φ41.8×28.5mm |
| Shaft Diameter            | 4mm          | Stator Height               | 10mm         |
| Stator Diameter           | 35mm         | Cable Length                | 600mm        |
| AWG                       | 18#          | Weight Excluding Cables     | 97g          |
| Weight Including Cables   | 118g         | Idle Current@10v            | 0.5A         |
| No.of Cells(Lipo)         | 3-4S         | Max Continuous Current 180S | 25A          |
| Max Continuous Power 180S | 555W         |                             |              |

Test Data

| Item No.             | Voltage (V)          | Prop                 | Throttle | Current (A) | Power (W) | Thrust (G) | RPM   | Efficiency (G/W) | Operating Temperature (°C) |
|----------------------|----------------------|----------------------|----------|-------------|-----------|------------|-------|------------------|----------------------------|
| MN3510<br>KV360      | 14.8                 | LIGPOWER<br>14*4.8CF | 50%      | 1.2         | 17.76     | 280        | 2600  | 15.77            | 40                         |
|                      |                      |                      | 65%      | 2.5         | 37.00     | 500        | 3400  | 13.51            |                            |
|                      |                      |                      | 75%      | 3.5         | 51.80     | 620        | 3800  | 11.97            |                            |
|                      |                      |                      | 85%      | 4.9         | 72.52     | 760        | 4300  | 10.48            |                            |
|                      |                      |                      | 100%     | 5.7         | 84.36     | 870        | 4600  | 10.31            |                            |
|                      |                      | LIGPOWER<br>15*5CF   | 50%      | 1.5         | 22.20     | 340        | 2600  | 15.32            | 42                         |
|                      |                      |                      | 65%      | 3           | 44.40     | 580        | 3300  | 13.06            |                            |
|                      |                      |                      | 75%      | 4.5         | 66.60     | 760        | 3800  | 11.41            |                            |
|                      |                      |                      | 85%      | 5.8         | 85.84     | 900        | 4100  | 10.48            |                            |
|                      |                      |                      | 100%     | 6.8         | 100.64    | 1000       | 4400  | 9.94             |                            |
|                      | LIGPOWER<br>16*5.4CF | 50%                  | 1.73     | 25.60       | 380       | 2450       | 14.84 | 40               |                            |
|                      |                      | 65%                  | 3.6      | 53.28       | 630       | 3200       | 11.82 |                  |                            |
|                      |                      | 75%                  | 5.3      | 78.44       | 800       | 3700       | 10.20 |                  |                            |
|                      |                      | 85%                  | 6.9      | 102.12      | 1000      | 4000       | 9.79  |                  |                            |
|                      |                      | 100%                 | 8.1      | 119.88      | 1100      | 4300       | 9.18  |                  |                            |
|                      |                      | LIGPOWER<br>12*4CF   | 50%      | 1.6         | 35.52     | 350        | 4300  | 9.85             | 43                         |
|                      |                      |                      | 65%      | 2.7         | 59.94     | 560        | 5300  | 9.34             |                            |
|                      |                      |                      | 75%      | 4           | 88.80     | 760        | 6000  | 8.56             |                            |
|                      |                      |                      | 85%      | 5.5         | 122.10    | 930        | 6600  | 7.62             |                            |
|                      |                      |                      | 100%     | 6.4         | 142.08    | 1060       | 7000  | 7.46             |                            |
| LIGPOWER<br>13*4.4CF |                      | 50%                  | 1.8      | 39.96       | 460       | 4200       | 11.51 | 43               |                            |
|                      |                      | 65%                  | 3.4      | 75.48       | 730       | 5300       | 9.67  |                  |                            |
|                      |                      | 75%                  | 4.8      | 106.56      | 900       | 5900       | 8.45  |                  |                            |
|                      |                      | 85%                  | 6.2      | 137.64      | 1100      | 6500       | 7.99  |                  |                            |
|                      |                      | 100%                 | 7.5      | 166.50      | 1300      | 6900       | 7.81  |                  |                            |

|  |      |                      |      |      |        |      |      |       |    |
|--|------|----------------------|------|------|--------|------|------|-------|----|
|  | 22.2 | LIGPOWER<br>14*4.8CF | 50%  | 2.5  | 55.50  | 660  | 4000 | 11.89 | 50 |
|  |      |                      | 65%  | 4.7  | 104.34 | 1000 | 4900 | 9.58  |    |
|  |      |                      | 75%  | 6.8  | 150.96 | 1280 | 5500 | 8.48  |    |
|  |      |                      | 85%  | 8.8  | 195.36 | 1500 | 6000 | 7.68  |    |
|  |      |                      | 100% | 10.6 | 235.32 | 1700 | 6500 | 7.22  |    |
|  |      | LIGPOWER<br>15*5CF   | 50%  | 3    | 66.60  | 780  | 3800 | 11.71 | 60 |
|  |      |                      | 65%  | 5.6  | 124.32 | 1180 | 4500 | 9.49  |    |
|  |      |                      | 75%  | 7.7  | 170.94 | 1460 | 5300 | 8.54  |    |
|  |      |                      | 85%  | 10.6 | 235.32 | 1700 | 5720 | 7.22  |    |
|  |      |                      | 100% | 12.5 | 277.50 | 1900 | 6040 | 6.85  |    |

Notes:The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

|                 |      |                      |      |      |        |      |      |       |    |
|-----------------|------|----------------------|------|------|--------|------|------|-------|----|
| MN3510<br>KV630 | 14.8 | LIGPOWER<br>12*4CF   | 50%  | 2.8  | 41.44  | 440  | 4500 | 10.62 | 43 |
|                 |      |                      | 65%  | 5.3  | 78.44  | 750  | 5700 | 9.56  |    |
|                 |      |                      | 75%  | 7.6  | 112.48 | 910  | 6500 | 8.09  |    |
|                 |      |                      | 85%  | 10   | 148.00 | 1100 | 7000 | 7.43  |    |
|                 |      |                      | 100% | 12.3 | 182.04 | 1260 | 7500 | 6.92  |    |
|                 |      | LIGPOWER<br>13*4.4CF | 50%  | 3.4  | 50.32  | 540  | 4500 | 10.73 | 44 |
|                 |      |                      | 65%  | 6.1  | 90.28  | 860  | 5500 | 9.53  |    |
|                 |      |                      | 75%  | 8.8  | 130.24 | 1100 | 6300 | 8.45  |    |
|                 |      |                      | 85%  | 11.8 | 174.64 | 1300 | 6800 | 7.44  |    |
|                 |      |                      | 100% | 14   | 207.20 | 1500 | 7300 | 7.24  |    |
|                 |      | LIGPOWER<br>14*4.8CF | 50%  | 4.6  | 68.08  | 700  | 4100 | 10.28 | 53 |
|                 |      |                      | 65%  | 8.7  | 128.76 | 1110 | 5300 | 8.62  |    |
|                 |      |                      | 75%  | 11.8 | 174.64 | 1360 | 5700 | 7.79  |    |
|                 |      |                      | 85%  | 16.4 | 242.72 | 1700 | 6300 | 7.00  |    |
|                 |      |                      | 100% | 20   | 296.00 | 1850 | 6600 | 6.25  |    |

Notes:The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

|  |  |                    |      |      |        |      |      |       |    |
|--|--|--------------------|------|------|--------|------|------|-------|----|
|  |  | LIGPOWER<br>12*4CF | 50%  | 2.5  | 27.75  | 350  | 4000 | 12.61 | 40 |
|  |  |                    | 65%  | 4.8  | 53.28  | 550  | 4900 | 10.32 |    |
|  |  |                    | 75%  | 6.6  | 73.26  | 700  | 5500 | 9.56  |    |
|  |  |                    | 85%  | 9.1  | 101.01 | 870  | 6300 | 8.61  |    |
|  |  |                    | 100% | 11.1 | 123.21 | 1000 | 6600 | 8.12  |    |
|  |  |                    | 50%  | 2.9  | 32.19  | 400  | 3800 | 12.43 |    |

|                 |      |                      |      |        |        |      |      |       |    |
|-----------------|------|----------------------|------|--------|--------|------|------|-------|----|
| MN3510<br>KV700 | 11.1 | LIGPOWER             | 65%  | 5.6    | 62.16  | 650  | 4900 | 10.46 | 42 |
|                 |      | 13*4.4CF             | 75%  | 7.9    | 87.69  | 830  | 5300 | 9.47  |    |
|                 |      |                      | 85%  | 10.5   | 116.55 | 1000 | 6000 | 8.58  |    |
|                 |      |                      | 100% | 12.6   | 139.86 | 1100 | 6400 | 7.87  |    |
|                 |      | LIGPOWER<br>14*4.8CF | 50%  | 4.1    | 45.51  | 550  | 3500 | 12.09 | 43 |
|                 |      |                      | 65%  | 7.7    | 85.47  | 890  | 4500 | 10.41 |    |
|                 |      |                      | 75%  | 10.7   | 118.77 | 1060 | 4900 | 8.92  |    |
|                 |      |                      | 85%  | 14.5   | 160.95 | 1300 | 5500 | 8.08  |    |
|                 |      |                      | 100% | 17.3   | 192.03 | 1460 | 5800 | 7.60  |    |
|                 |      | LIGPOWER<br>11*3.7CF | 50%  | 3.2    | 47.36  | 460  | 5300 | 9.71  | 43 |
|                 |      |                      | 65%  | 6      | 88.80  | 710  | 6500 | 8.00  |    |
|                 |      |                      | 75%  | 8.2    | 121.36 | 870  | 7500 | 7.17  |    |
|                 |      |                      | 85%  | 11     | 162.80 | 1080 | 8200 | 6.63  |    |
|                 |      |                      | 100% | 13     | 192.40 | 1230 | 8700 | 6.39  |    |
|                 |      | LIGPOWER<br>12*4CF   | 50%  | 3.8    | 56.24  | 580  | 5000 | 10.31 | 43 |
|                 |      |                      | 65%  | 7.4    | 109.52 | 880  | 6300 | 8.04  |    |
|                 |      |                      | 75%  | 10.3   | 152.44 | 1100 | 7300 | 7.22  |    |
|                 |      |                      | 85%  | 14     | 207.20 | 1360 | 7700 | 6.56  |    |
|                 |      |                      | 100% | 16.8   | 248.64 | 1600 | 8300 | 6.44  |    |
|                 |      | LIGPOWER<br>13*4.4CF | 50%  | 4.7    | 69.56  | 730  | 4900 | 10.49 | 47 |
|                 | 65%  |                      | 9    | 133.20 | 1120   | 6100 | 8.41 |       |    |
|                 | 75%  |                      | 12.3 | 182.04 | 1400   | 6800 | 7.69 |       |    |
|                 | 85%  |                      | 16   | 236.80 | 1600   | 7400 | 6.76 |       |    |
|                 | 100% |                      | 19.4 | 287.12 | 1800   | 7850 | 6.27 |       |    |

Notes: The test condition of temperature is motor surface temperature at 100% throttle while the motor run 10min.

#### Packing List



Before using this product, please check if all the items listed above are included in the packaging. If there are any missing items, please contact our online customer service or leave message to "[onlinesales@ligpower.com](mailto:onlinesales@ligpower.com)" in time.