

EMAX Brushless Motors

See – www.emax.modeldiy.com

Product Range and Specifications-



EMAX BL1812 / BL1806

Very Lightweight - Ideal for Indoor Foamys :-

BL1812 – Weight: 28g (including the firewall), KV=1800

| Battery (LiPo) | Current | Prop | Thrust | rpm |
|----------------|---------|----------|--------|-----|
| 7.4V | 10A | 9 x 4.5 | 220 g | |
| 11.1V | 13A | 10 X 4.7 | 380 g | |

BL1806 – Weight: 18g (including the firewall), KV=1650

| Battery (LiPo) | Current | Prop | Thrust | rpm |
|----------------|---------|-------|--------|------|
| 7.4V | 6.0 A | 7x 5 | 180 g | 6750 |
| 11.1V | 10 A | 7 X 5 | 240 g | 7550 |



EMAX CF2822 / 2212

Very high power delivered by these small and robust, light weight (39g) brushless motors with rotating case suitable for all models of 300-400 size . the EMAX CF2822/CF2812 motors offer extremely high efficiency and high load capability for their weight. EMAX motors with the high quality of manufacturing, reliability and performance are the best outrunners available in the market.



| Model | Cell Count | RPM/V Prop | RPM | Current | Thrust |
|--------|------------|--------------|-------|---------|--------------|
| CF2822 | 3S | 1200 10X5 | 7100 | 14.5A | 710g/1.51b. |
| | | 10X4.7(SLOW) | 6100 | 14.5A | 745g/1.64 |
| CF2212 | 3S | 1534 7X4 | 12250 | 10.5A | 580g//1.271b |
| | | 7X6 | 11000 | 15.5A | 730g/1.611b |

Specification

| | |
|----------------------------------|---|
| No. Of cells | 2-3 Li-Poly |
| RPM/V | 1200/1534 RMP/V |
| zMax. efficiency | 82% |
| Max. efficiency current | 7 -16 A (>75%) |
| No load current / 10 V | 0.9 A |
| Current capacity | 16 A/60 s |
| Internal Resistance | 150 mohm |
| Stator Dimensions | 22x10 mm |
| Shaft diameter | 3 mm |
| Weight | 39 g |
| Recommended model weight | 200 -600 g |
| Recommended prop without gearbox | APC 7X4 APC 8X3.8 APC 9X4.5 APC 10X5 |

EMAX CF2805

Specification

| | |
|---------------------------------|-------------|
| No. Of cells | 2-3 Li-Poly |
| RPM/V | 2840 RMP/V |
| Stator Dimensions | 22x10 mm |
| Shaft diameter | 3 mm |
| Weight | 29 g |
| Recomended model weight | 200 -300 g |
| | APC 7X4 |
| Recomended prop without gearbox | APC 6X4 |



| Model | Cell Count | RPM/V | Prop | RPM | Current | Thrust |
|--------|------------|-------|------|-------|---------|--------------|
| CF2805 | 2s | 2840 | 6X4 | 13000 | 12A | 413g/0.91lb. |
| | | | 7X4 | 9900 | 14.4A | 381g/0.84lb |

EMAX BL2205

Small, light, 28mm diameter and less than 1 oz. in weight (29g). For models from 10 -12 oz. Includes all mounting hardware, 3 gold connectors and Prop adapter.



| BL2205 KV=1780 Performance Chart | | | | | | |
|----------------------------------|---------|-------------|-------|-------------|-----------|--|
| Model | Voltage | Propeller | RPM | Max Current | Max Trust | |
| BL2205 | 7.9V | 7X5(Thin) | 8800 | 9.8A | 320g | |
| BL2205 | 7.9V | 8X3.8(Slow) | 6800 | 10A | 330g | |
| BL2205 | 7.9V | 6X5.5(Thin) | 10300 | 7.8A | 260g | |
| BL2205 | 7.9V | 8X6(Slow) | 6500 | 10.7A | 360g | |
| | | | | | | |

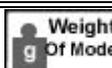
| | Weight Of Model | LiPo | EMAX ESC | Propeller |
|-----------|-----------------|--------------|-------------|--------------------------|
| TRAINER | 350g./12oz. | 2S 800mAH | EMAX 10A | 8X6(Slow) 8X3.8(Slow) |
| 3D | 230g./10oz. | 2S 800mAH | EMAX 10A | 8X3.8(Slow) |
| AEROBATIC | 320g./11oz. | 2S 800mAH | EMAX 10A | 7X5 (Thin) |

| Specifications | |
|----------------------------------|-------------------|
| No. Of cells | 2x Li-Poly |
| RPM/V | 1780 |
| Max. efficiency current | 8 - 10.5 A (>75%) |
| No load current / 10 V | 0,5 A |
| Current capacity | 11 A/60 s |
| Dimensions | 28x22 mm |
| Shaft diameter | 3 mm |
| Weight | 29 g |
| Recommended model weight | 220 - 350 g |
| Recommended prop without gearbox | 6"-8" |

EMAX BL2210

Light weight (42g) brushless motors with rotating case suitable for all models of 300-400 size .Using the latest ferromagnetic materials the EMAX 2210/xx motors offer extremely high efficiency and high load capability for their weight. Includes all mounting hardware, 3 gold connectors and Prop adapter.



| BL2210/25 KV=1500 Performance Chart | | | | | |
|---|---|--|---|---|-----------|
| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
| BL2210/25 | 8.1V | 7X5(Thin) | 11500 | 14.5A | 590g |
| BL2210/25 | 10.6V | 7X5(Thin) | 13700 | 23A | 870g |
| BL2210/25 | 10.6V | 6X5.5(Thin) | 15750 | 16A | 595g |
| BL2210/25 | 8.1V | 6X5.5(Thin) | 12500 | 10A | 350g |
| |  Weight Of Model |  LiPo |  EMAX ESC |  Propeller | |
|  | 480g./17oz. | 3S 1300mAH | EMAX 18A | 7X5(Thin) | |
|  | 350g./12.5oz. | 3S 1300mAH | EMAX 18A | 8X3.8(Slow) | |
|  | 400g./14oz. | 3S 1600mAH | EMAX 18A | 7X6 (Thin) | |
| BL2210/30 KV=1500 Performance Chart | | | | | |
| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
| BL2210/30 | 11.0V | 8X3.8(Slow) | 9450 | 15.5A | 750g |
| BL2210/30 | 11.0V | 9X4.7(Slow) | 8750 | 16.5A | 800g |
| BL2210/30 | 11.0V | 8X6(Thin) | 9050 | 16A | 680g |
| |  Weight Of Model |  LiPo |  EMAX ESC |  Propeller | |
|  | 600g./21oz. | 3S 1300mA | EMAX 18A | 9X4.7(Slow) | |
|  | 420g./14.8oz. | 3S 1300mA | EMAX 18A | 9X4.7(Slow) | |
|  | 500g./17.6oz. | 3S 1600mA | EMAX 18A | 8X6 (Thin) | |
| Specifications | | | | | |
| No. Of cells | | | 2-3x Li-Poly | | |
| RPM/V | | | 1200/1500 | | |
| Max. efficiency current | | | 8 - 10.5 A (>75%) | | |
| No load current / 10 V | | | 0,5 A | | |
| Current capacity | | | 18 A/60 s | | |
| Dimensions | | | 28x27 mm | | |
| Shaft diameter | | | 3 mm | | |
| Weight | | | 45 g | | |
| Recommended model weight | | | 220 - 350 g | | |

EMAX BL2215

Light weight (60g) brushless motors with rotating case suitable for all models of 300-400 size. As a result of using the latest ferromagnetic materials the EMAX 2215/xx motors offer extremely high efficiency and high load capability for their weight. Includes all mounting hardware, 3 gold connectors and Prop adapter.



BL2215/25 KV= 950 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Thrust |
|-----------|---------|--------------|------|-------------|------------|
| BL2215/25 | 12.0V | 10X5(Thin) | 8180 | 14A | 850g |
| BL2215/25 | 12.0V | 11X7(Thin) | 6280 | 18A | 905g |
| BL2215/25 | 12.0V | 1047GWS | 7200 | 16.5A | 930g |
| BL2215/25 | 12.0V | 10X4.7(SLOW) | 7250 | 16.5A | 950g |
| BL2215/25 | 12.0V | 1060GWS | 7800 | 15A | 850g |
| BL2215/25 | 12.0V | 9X4.7(SLOW) | 8750 | 12A | 810g |

| | Weight Of Model | LiPo | EMAX ESC | Propeller |
|---|-----------------|------------|----------|--------------|
|  TRAINER | 800g./28oz. | 3S 1800mAH | EMAX 18A | 9X4.7(SLOW) |
|  3D | 500g./18oz. | 3S 1800mAH | EMAX 18A | 10X4.7(Slow) |
|  AEROBATIC | 600g./14oz. | 3S 1800mAH | EMAX 18A | 10X5(Thin) |

BL2215/20 KV= 1200 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Thrust |
|-----------|---------|--------------|-------|-------------|------------|
| BL2215/20 | 12.0V | 10X4.7(Slow) | 7250 | 19A | 1040g |
| BL2215/20 | 12.0V | 9X4.7(Slow) | 9900 | 17.5A | 1020g |
| BL2215/20 | 10.9V | 10X5(Thin) | 9350 | 24.5A | 1200g |
| BL2215/20 | 10.9V | 8X3.8(Slow) | 11050 | 16.5A | 960g |

| | Weight Of Model | LiPo | EMAX ESC | Propeller |
|---|-----------------|------------|----------|--------------|
|  TRAINER | 1000g./35.2oz. | 3S 1800mAH | EMAX 25A | 10X5(Thin) |
|  3D | 600g./21oz. | 3S 1800mAH | EMAX 25A | 10X4.7(Slow) |
|  AEROBATIC | 800g./28oz. | 3S 1800mAH | EMAX 25A | 10X5 (Thin) |

Specifications

| | |
|-------------------------|--------------------------------------|
| No. Of cells | 2-3x Li-Poly |
| Max. efficiency | 82% |
| Max. efficiency current | 8 - 13 A (>75%) |
| No load current / 10 V | 0,5 A |
| Current capacity | 2215/25 15 A/60s 2215/20 20 A/60s |
| Internal Resistance | 275 mohm |
| Dimensions | 28x32 mm |
| Shaft diameter | 3 mm |

| | |
|----------------------------------|--------------|
| Weight | 59 g/2.08oz. |
| Recommended model weight | 300-800 g |
| Recommended prop without gearbox | 8"-10" |

EMAX BL2810

This is a high torque brushless motor with rotating drum and high power magnets suitable for models of 400-500 size, and up to 1400g in weight. The hardened steel 5mm diameter shaft and is supported by three ball bearings. Due to it's high torque characteristics this motor is capable of turning large propellers with a high level of efficiency and without the need for a gearbox. Includes all mounting hardware, 3 gold connectors and Prop adapter.



BL2810 KV= 1100 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Thrust |
|--------|---------|--------------|------|-------------|------------|
| BL2810 | 12.0V | 11X5.5(Thin) | 8500 | 32A | 1150g |
| BL2810 | 12.0V | 11X7(Thin) | 8050 | 38A | 1260g |

| | Weight g Of Model | LiPo | EMAX ESC | Propeller |
|---|-------------------------|------------|----------|------------------------------|
|  TRAINER | 1100g./28oz. | 3S 2250mAh | EMAX 40A | 11X5.5(SLOW) |
|  3D | 750g./26.5oz. | 3S 2250mAh | EMAX 40A | 10X4.7(Slow) 11X3.8(Slow) |
|  AEROBATIC | 900g./14oz. | 4S 2250mAh | EMAX 40A | 11X7(Thin) 11X5.5(Thin) |

Specifications

| | |
|----------------------------------|-----------------|
| No. Of cells | 3x Li-Poly |
| Max. efficiency | 82% |
| Max. efficiency current | 8 - 13 A (>75%) |
| No load current / 10 V | 0,5 A |
| Current capacity | 40 A/60s |
| Dimensions | 38x32mm |
| Shaft diameter | 5 mm |
| Weight | 86 g/3.03oz. |
| Recommended model weight | 300-800 g |
| Recommended prop without gearbox | 10"-11" |

EMAX BL2815

This is a high torque brushless motor with rotating drum and high power magnets suitable for models of 400-500 size, and up to 1400g in weight. The hardened steel 5mm diameter shaft and is supported by three ball bearings. Due to it's high torque characteristics this motor is capable of turning large propellers with a high level of efficiency and without the need for a gearbox. Includes all mounting hardware, 3 gold connectors and Prop adapter.



BL2815 KV= 920 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
|--------|---------|------------|------|-------------|-----------|
| BL2815 | 12.0V | 11X7(Thin) | 8360 | 39A | 1420g |
| BL2815 | 14.0V | 11X7(Thin) | 9010 | 50A | 1730g |

| |  Weight Of Model |  LiPo |  EMAX ESC |  Propeller |
|---|---|--|---|---|
|  | 1700g./60oz. | 3S 3500mAH | EMAX 60A | 11X5.5(SLOW) |
|  | 1100g./39oz. | 4S 3500mAH | EMAX 60A | 11X7(Thin) 11X4.8(Slow) |
|  | 1500g./53oz. | 4S 3500mAH | EMAX 60A | 11X7(Thin) 11X5.5(Thin) |

| Specifications | |
|----------------------------------|-----------------|
| No. Of cells | 3-4x Li-Poly |
| Max. efficiency | 80% |
| Max. efficiency current | 20- 30 A (>75%) |
| No load current / 10 V | 1,7 A |
| Current capacity | 40 A/60s |
| Dimensions | 38x36 mm |
| Shaft diameter | 5 mm |
| Weight | 112 g/3.9oz. |
| Recommended model weight | 1000-1400 g |
| Recommended prop without gearbox | 10"-11" |

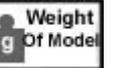
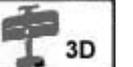
EMAX BL2820

This is a high torque brushless motor with rotating drum and high power magnets suitable for models of 600-700 size, and up to 1600g in weight. The hardened steel 5mm diameter shaft and is supported by three ball bearings. Due to it's high torque characteristics this motor is capable of turning large propellers with a high level of efficiency and without the need for a gearbox. Includes all mounting hardware + adapter.



BL2820 KV= 920 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
|--------|---------|------------|------|-------------|-----------|
| BL2820 | 12.0V | 11X7(Thin) | 8680 | 38A | 1520g |
| BL2820 | 14.0V | 11X7(Thin) | 9580 | 53A | 1870g |
| BL2820 | 14.0V | 12X8(Thin) | 8450 | 59A | 2105g |
| BL2820 | 12.0V | 12X8(Thin) | 7849 | 49A | 1730g |

| |  Weight Of Model |  LiPo |  EMAX ESC |  Propeller |
|---|---|--|---|---|
|  | 2300g./81oz. | 4S 3500mAH | EMAX 60A | 12X6(Thin) |
|  | 1500g./53oz. | 4S 3500mAH | EMAX 60A | 12X8(Thin) 11X4.8(Slow) |
|  | 2200g./77oz. | 4S 3500mAH | EMAX 60A | 11X7(Thin) 12X6(Thin) |



.32 - 2stroke

| Specification | |
|----------------------------------|-----------------|
| No. Of cells | 3-4x Li-Poly |
| Max. efficiency | 80% |
| Max. efficiency current | 20- 30 A (>75%) |
| No load current / 10 V | 2,1 A |
| Current capacity | 45 A/60s |
| Dimensions | 38x42 mm |
| Shaft diameter | 5 mm |
| Weight | 144 g/5.07oz. |
| Recommended model weight | 1200-1600 g |
| Recommended prop without gearbox | 10"-12" |

EMAX BL2826

Brushless motors with neodymium magnets and rotating case are manufactured using advanced technologies from finest materials. Hardened steel shaft supported by three ball bearings and overall robust but lightweight construction ensure very long lifetime. The unique design of the motors gives extremely high torque allowing to rotate large diameter and pitch propellers without need of a gearbox. Optional radial mount and propeller adaptor.



BL2826 KV= 950 Performance Chart

| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
|--------|---------|--------------|------|-------------|-----------|
| BL2826 | 14.0V | 11X7(Thin) | 9360 | 44A | 1850g |
| BL2826 | 14.8V | 11X7(Thin) | 9820 | 46A | 1980g |
| BL2826 | 14.0V | 13X6.5(Thin) | 7600 | 45A | 2005g |
| BL2826 | 12.0V | 13X6.5(Thin) | 8400 | 61A | 2650g |

| | Weight g Of Model | LiPo | EMAX ESC | Propeller |
|-----------|------------------------------------|------------|----------|--------------------------|
| TRAINER | 2800g./98.8oz. | 4S 4000mAH | EMAX 60A | 12X6(Thin) |
| 3D | 1800g./63oz. | 4S 4000mAH | EMAX 60A | 12X8(Thin) 13X6(Thin) |
| AEROBATIC | 2600g./92oz. | 4S 4000mAH | EMAX 60A | 12X8(Thin) 13X6(Thin) |
| | .40 - 2stroke .60 - 4stroke | | | |

| Specifications | |
|--------------------------|-----------------|
| No. Of cells | 3-4x Li-Poly |
| Max. efficiency | 86% |
| Max. efficiency current | 20- 30 A (>78%) |
| No load current / 10 V | 2,1 A |
| Current capacity | 45 A/60s |
| Dimensions | 38x48 mm |
| Shaft diameter | 5 mm |
| Weight | 182 g/6.41oz. |
| Recommended model weight | 1700-2600 g |

EMAX BL4020

Brushless motors with neodymium magnets and rotating case are manufactured using advanced technologies from finest materials. Hardened steel shaft supported by three ball bearings and overall robust but lightweight construction ensure very long lifetime. The unique design of the motors gives extremely high torque allowing to rotate large diameter and pitch propellers without need of a gearbox. Optional radial mount and propeller adaptor.

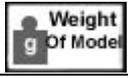
| BL4020 KV= 520 Performance Chart | | | | | |
|---|---|---|--|---|-----------|
| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
| BL4020 | 21V | 13X8(Thin) | 10130 | 44A | 4650g |
| BL4020 | 17V | 13X8(Thin) | 8250 | 31A | 3260g |
| BL4020 | 22V | 12X8(Thin) | 10800 | 42A | 4200g |
| BL4020 | 17V | 14X7(Thin) | 8600 | 43A | 3607g |
| |  |  |  |  | |
|  | 4500g./160oz. | 5S 4000mAH | EMAX 80A | 14X7(Thin) | |
|  | 2600g./92oz. | 6S 5000mAH | EMAX 100A | 13X8(Thin) 14X7(Thin) | |
|  | 3600g./127oz. | 6S 4000mAH | EMAX 80A | 13X8(Thin) 13X6(Thin) | |
|  | .54 -2stroke .75 - 4stroke | | | | |
| Specifications | | | | | |
| No. Of cells | | | 4-7x Li-Poly | | |
| Max. efficiency | | | 86% | | |
| Max. efficiency current | | | 20- 40 A (>78%) | | |
| No load current / 10 V | | | 2,1 A | | |
| Current capacity | | | 45 A/60s | | |
| Dimensions | | | 40x20 mm | | |
| Shaft diameter | | | 6 mm | | |
| Weight | | | 236g/8.32oz. | | |
| Recommended model weight | | | 2000-4500 g | | |
| Recommended prop without gearbox | | | 13"-15" | | |

EMAX BL4030

These brushless motors with neodymium magnets and rotating case are manufactured using advanced technologies from finest materials. Hardened steel shaft supported by three ball bearings and overall robust but lightweight construction ensure very long lifetime. The unique design of the motors gives extremely high torque allowing to rotate large diameter and pitch propellers without need of a gearbox. Optional radial mount and propeller adaptor.



| BL4030 KV= 385 Performance Chart | | | | | |
|---|---------|------------|-------|-------------|-----------|
| Model | Voltage | Propeller | RPM | Max Current | Max Trust |
| BL4030 | 21V | 13X8(Thin) | 11450 | 50A | 5150g |
| BL4030 | 17V | 13X8(Thin) | 8650 | 40A | 3860g |
| BL4030 | 24V | 14X7(Thin) | 9100 | 51A | 4100g |

| | | | | | |
|---|---|---|--|--|--|
|  |  Weight Of Model |  LiPo |  EMAX ESC |  Propeller | |
|  | 5500g./190oz. | 5S 4000mAH | EMAX 80A | 14X7(Thin) | |
|  | 3000g./105oz. | 6S 5000mAH | EMAX 100A | 13X11(Thin) 14X7(Thin) | |
|  | 4000g./140oz. | 6S 4000mAH | EMAX 80A | 13X11(Thin) 13X6(Thin) | |
|  | .60 -2stroke .80 - 4stroke | | | | |

| Specifications | |
|----------------------------------|-----------------|
| No. Of cells | 4-7x Li-Poly |
| Max. efficiency | 86% |
| Max. efficiency current | 20- 40 A (>78%) |
| No load current / 10 V | 2,1 A |
| Current capacity | 50 A/60s |
| Dimensions | 40x30 mm |
| Shaft diameter | 6 mm |
| Weight | 325g/11.5oz. |
| Recommended model weight | 3000-6000 g |
| Recommended prop without gearbox | 13"-16" |

EMAX BL5335

These brushless motors with neodymium magnets and rotating case are manufactured using advanced technologies from finest materials. Hardened steel shaft supported by three ball bearings and overall robust but lightweight construction ensure very long lifetime. The unique design of the motors gives extremely high torque allowing to rotate large diameter and pitch propellers without need of a gearbox. Optional radial mount and propeller adaptor.



| BL5335 KV= 230 Performance Chart | | | | | |
|---|-----------|------|-------------|--------------|--|
| Model | Propeller | RPM | Max Current | Max Thrust | |
| BL5335 | 22X10 | 7200 | 78A | 10.6kg | |
| BL5335 | 20X12 | 7600 | 73A | 8.3kg | |
| Specifications | | | | | |
| No. Of cells | | | | 10x Li-Poly | |
| Max. efficiency | | | | 86% | |
| No load current / 10 V | | | | 2,1 A | |
| Current capacity | | | | 75 A/60s | |
| Dimensions | | | | 53x36 mm | |
| Shaft diameter | | | | 8 mm | |
| Weight | | | | 668g/23.5oz. | |
| Recommended model weight | | | | 5-10kg | |
| Recommended prop without gearbox | | | | 20'-22' | |
|  .180 -2stroke .200 - 4stroke | | | | | |

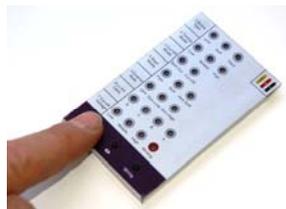
EMAX HL2215

HL2215/450 is for electric helicopters- 450 class, it is designed especially for 3D flying with lots of power and a cooling fan included.



| Specification | |
|----------------------------------|----------------------|
| No. Of cells | 3-4x Li-Poly |
| RPM/V | 3850 |
| Max. efficiency current | 8 - 10.5 A (>75%) |
| No load current / 10 V | 0,5 A |
| Current capacity | 40 A/60 s |
| Dimensions | 22x15 mm |
| Shaft diameter | 3 mm |
| Weight | 59 g |
| Recommended model weight | 450 class Ele. Heli. |
| Recommended prop without gearbox | 6"-8" |

Choose Matching EMAX Adaptors and Accessories, ESC's and LiPo Batteries.....



Available at your local hobby shop-

Distributed in Australia by :-

Tates Performance Hobbies

135 Shannon Ave Geelong West. VIC 3218

Ph 03 52224201 Fax 03 52231257

E Mail ; sales@tates.com.au

Web : www.tates.com.au

ABN 80007437523

Importers and Distributors of Quality Radio Control Hobby Products

LiPo Batteries – High Quality – Economical Power Source

| Type Model | Specifications for 20C | Dimensions (L x W x D) | Weight |
|-------------|---------------------------------------|---------------------------------|------------------|
| LP20-800-2 | 20C, 800 mAh - 2s1p - 2 cell - 7.4V | 62X35X11mm (2.44X1.37X0.4in) | 1.24oz (35g) |
| LP20-800-3 | 20C, 800 mAh - 3s1p - 3 cell - 11.1V | 62X35X14mm (2.44X1.37X0.5in) | 1.76oz (50g) |
| LP20-1000-2 | 20C, 1000 mAh - 2s1p - 2 cell - 7.4V | 62X35X11mm (2.44X1.37X0.4in) | 1.87oz (53g) |
| LP20-1000-3 | 20C, 1000 mAh - 3s1p - 3 cell - 11.1V | 62X35X16mm (2.44X1.37X0.6in) | 2.75oz (78g) |
| LP20-1300-2 | 20C, 1300 mAh - 2s1p - 2 cell - 7.4V | 80X32X11mm (3.15X1.26X0.4in) | 2.33oz (66g) |
| LP20-1300-3 | 20C, 1300 mAh - 3s1p - 3 cell - 11.1V | 80X32X15mm (3.15X1.26X0.5in) | 3.42oz (97g) |
| LP20-1600-2 | 20C, 1600 mAh - 2s1p - 2 cell - 7.4V | 96X34X11mm (3.77X1.33X0.4in) | 3.14oz (89g) |
| LP20-1600-3 | 20C, 1600 mAh - 3s1p - 3 cell - 11.1V | 96X34X16mm (3.77X1.33X0.6in) | 4.62oz (131g) |
| LP20-1800-3 | 20C, 1800 mAh - 3s1p - 3 cell - 11.1V | 96X34X17mm (3.77X1.33X0.6in) | 5.86oz (166g) |
| LP15-2250-3 | 15C, 2250 mAh - 3s1p - 3 cell - 11.1V | 96X34X18mm (3.77X1.33X0.7in) | 5.86oz (166g) |

All EMAX ESC's have the following Features and Programming Functions-

Safety Arming Feature: Regardless the Throttle Stick position, the motor will not run after the battery is connected. This will avoid any injuries.

Throttle Calibration: Throttle range can be configured to provide best throttling linearity, fully compatible with all available transmitters.

Programmable Features (Program card Available) -

Brake Settings : brake enabled / brake disabled, default is brake disabled

Battery Type : Li-xx(Li-ion or Li-poly) / Ni-xx(NiMH or Nicd), default is Li-xx.

Low Voltage Protection Mode (Cutoff Mode) : power reducing / power cutoff, default is power reducing.

Low Voltage Protection Threshold (Cutoff Threshold) : low / medium / high, default is medium cutoff voltage. For Li-xx battery, number of battery cells are judged automatically, low / medium / high cutoff voltage for each cell are: 2.6V/2.85V/3.1V. For example: 3 Cells Li-Poly, when medium cutoff voltage is set, the cutoff voltage is: 2.85*3=8.55V. For Ni-xx battery, low / medium / high cutoff voltages are 0/45%/60% of the startup voltage. (0% means the low voltage cutoff function is disabled). For example: 10 cells NiMH battery, fully charged voltage is 1.44*10=14.4V, when medium cutoff voltage is set, the cutoff voltage is : 14.4*45%=6.5V

Startup mode: normal / soft / super-soft, default is normal startup.

Timing: low / medium / high, default is medium timing. In normal cases, low timing can be used for most motors. But for high efficiency, we recommend the Low timing for 2 poles motor and Medium timing for 6 poles and above. For higher speed, High timing could be used.

ESC. Protection Features: Low-voltage cutoff protection / over-heat protection / throttle signal lost protection .

Design Features - Capacitors with extremely low resistance used on voltage input section, this will improve the ability to prevention unwanted RF Noise / Interference during flying. Extreme low resistance, super high current endurance. Microprocessor and BEC use separate voltage regulator IC, with good anti-jamming capabilities.

