

# Basic ESC Datasheet

## Technical Details

### Specifications

Parameter		Value	
Electrical			
Voltage	7-26 V (2-6S)		
Max Current (Constant)	30 A (depending on cooling)		
Physical			
Weight	16.3 g	0.036 lb	
Power Connectors	Spade terminals for No. 6 screw		
Motor Connectors	Tinned wire ends		
Signal Connector	3-pin servo connector (0.1" pitch) (ground, blank, signal)		
Pulse Width Signal			
Signal Voltage	3.3-5 V		
Max Update Rate	400 Hz		
Stopped	1500 μs		
Max forward	1900 μs		
Max reverse	1100 μs		
Signal Deadband	±/- 25 μs (centered around 1500 μs)		
Firmware Defaults			
Directionality	Bidirectional (center throttle is zero/stopped)		
Thermal Protection	Temperature	Motor Power Limit	
	≥140°C	75%	
	≥145°C	50%	
	≥150°C	25%	
	≥155°C	0%	

### 2D Drawings

