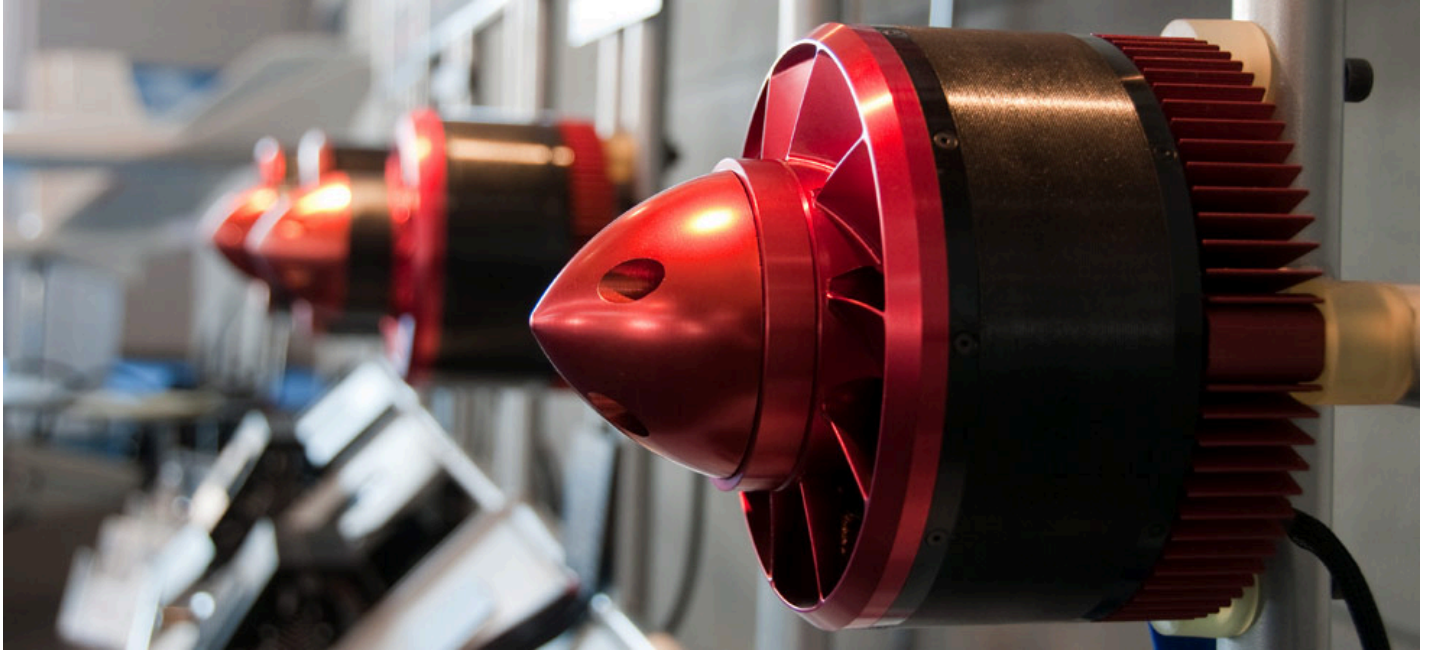




Power Systems

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Power Drive System Specifications:

MOTORS



Motor Designation	Power Drive 10 & 10+	Power Drive 20 & 20+	Power Drive 40	Power Drive 60
Power (Kw):	10Kw	20Kw	40Kw	60Kw
Power (Hp):	13HP	27HP	54HP	81HP
RPM:	2,400 (10) or 2,000 (10+)	2,400 (20) or 2,000 (20+)	2,400	2,400
Type	Direct Drive Brushless	Direct Drive Brushless	Direct Drive Brushless	Direct Drive Brushless
Control:	Internal Sensor	Internal Sensor	Internal Sensor	Internal Sensor
Diameter:	160mm (6.3")	200mm (7.9")	240mm (9.45")	280mm (11")
Length - PD10:	114mm (4.5")	133mm (5.25")	163mm (6.5")	209mm (8.25")
Length - PD10+:	127mm (5")	143mm (5.75")		
Weight - PD10:	4.5Kg (10 lbs)	8.2Kg (18.04 lbs)	19Kg (42 lbs)	30Kg (66lbs)
Weight - PD10+:	6Kg (13.2 lbs)	9.8Kg (21.6 lbs)		
Voltage				
- Minimum:	50V	50V	100V	161V
- Maximum:	75V	75V	150V	190V
- Optimum:	66V	66V	133.2V	166.5V
Current Drain				
- Maximum:	180A	285A	285A	342A
- Cruise:	55A	180A	180A	220A
Bearing Qty:	3	2	2	2
Propeller Hub Diameter:	60mm (2.35")	75mm (2.95")	90mm	100mm (3.95")
Propeller Bolt size:	M6	M8	M8	M8
Propeller Bolt Qty:	4	6	6	6
Mounting Dimensons:	Ø 140mm (5.5")	Ø 170mm (9.85")	Ø 200mm	Ø 240mm (9.45")
Mounting Bolt size:	M8	M8	M8	M10
Mounting Bolt Qty:	4	6	6	6
Plug System:	E-Plug (OEM)	E-Plug (OEM)	E-Plug (OEM)	E-Plug (OEM)

Power Controllers



Controller Item No.:	Power Block 10 PB10	Power Block 20 PB20	Power Block 40 PB40	Power Block 60 PB60
To Suit Motors:	PD10 & 10+	PD20 & 20+	PD40	PD60
Control System:	Sensor	Sensor	Sensor	Sensor
Voltage (Max): Amperage (Max):	75V 300A	75V 350A	200V 400A	TBA TBA
AutoCut Voltage:	63.5V (Pack Voltage) 3.3V (Lowest Cell)	63.5V (Pack Voltage) 3.3V (Lowest Cell)	130V (Pack Voltage) 3.3V (Lowest Cell)	TBA
Cooling:	Heat Sink	Heat Sink	Heat Sink	Heat Sink
Protection/Alarms: - Audible Tones: - Initial Start Protection: - Heat Protection:	PowerOn/Start Slow start - 5sec Alarm with Auto Power Adjustment	PowerOn/Start Slow start - 5sec Alarm with Auto Power Adjustment	PowerOn/Start Slow start - 5sec Alarm with Auto Power Adjustment	PowerOn/Start Slow start - 5sec Alarm with Auto Power Adjustment
Dimensions: Length: Width: Height: Height (with Mounts):	185mm (7.25") 130mm (5") 60mm (2.5") 72mm (3")	215mm (8.5") 130mm (5") 60mm (2.5") 72mm (3")	300mm (12") 240mm (9.5") 6200mm (2.5")	TBA TBA TBA
Casing: Mounting:	Plastic (Fire Retardent) Spring System	Plastic (Fire Retardent) Spring System	Plastic (Fire Retardent) Base Mount	Plastic (Fire Retardent) Base Mount
Weight:	1.2Kg (2.6 lbs)	1.5Kg (3.3 lbs)	7Kg (15.5 lbs)	TBA
Plug System:	E-Plug (OEM)	E-Plug (OEM)	E-Plug (OEM)	E-Plug (OEM)

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Battery Packs



	Battery 31Ah 10 / 20Kw Kokam Lithium Polymer	Battery 70Ah 20Kw Kokam Lithium Polymer	Battery 100Ah 40 / 60Kw Kokam Lithium Polymer
Product Use: Type:			
Pack Voltage: Cell Spec: No. Cells: Pack Capacity:	66.6V 3.7V x 30Ah 18 Cells 31Ah	66.6V 3.7V x 70Ah 18 Cells 70A	133.2V 3.7V x 100Ah 36 Cells 100A
Maximum Discharge A: Maximum Temperature:	150A (5C) 70°C	350A (5C) 70°C	500A (5C) 70°C
Connections:	Yuneec E-Plug	Yuneec E-Plug	Yuneec E-Plug
Warnings: - LED Solid - LED Flashing + Buzzer - LED Flashing + Buzzer	Battery Temperature Over Voltage Under Voltage	Battery Temperature Over Voltage Under Voltage	Battery Temperature Over Voltage Under Voltage
Dimensions:	285x150x190mm (11"x 6"x7.5")	400x250x304mm (15.75"x98"x12")	570x275x390mm (22.5"x10.8"x15.35")
Pack Weight: Casing material:	12.8Kg (28.2 lbs) Aluminium (Fire Retardent)	33.5Kg (74 lbs) Aluminium (Fire Retardent)	87Kg (191 lbs) Aluminium (Fire Retardent)

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E-Charger



Battery Size Type:	30Ah Cell Monitoring / Balancing	70/100Ah Cell Monitoring / Balancing
Charge Monitoring: Data Screen:	Individual Cell (+/- 5mV) 115 x 65mm (4.5" x 2.5")	Individual Cell (+/- 5mV) 115 x 65mm (4.5" x 2.5")
Voltage Meter-Input: Main Switch:	Analogue Meter On/Off, Red Rocker	Analogue Meter On/Off, Red Rocker

Yuneec - Power_Drive_Motor

	380x300x160mm (14"x12"x6")	365x352x139mm (14.5"x14"x5.5")
Dimensions:		
	7Kg (15.4 lbs)	13.8Kg (30.5 lbs)
Weight:		
	3~4 Hours Balanced	3~4 Hours Balanced
Charge time per pack:	110V or 230V	110V or 230V
Input Voltage:	DC 75V (Max)	DC 150V (Max)
Output V:	10A (Max)	30A (Max)
Output A:	900W (Max)	4500W (Max)
Output W:		

Specifications subject to change *Performance specifications are estimates only

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