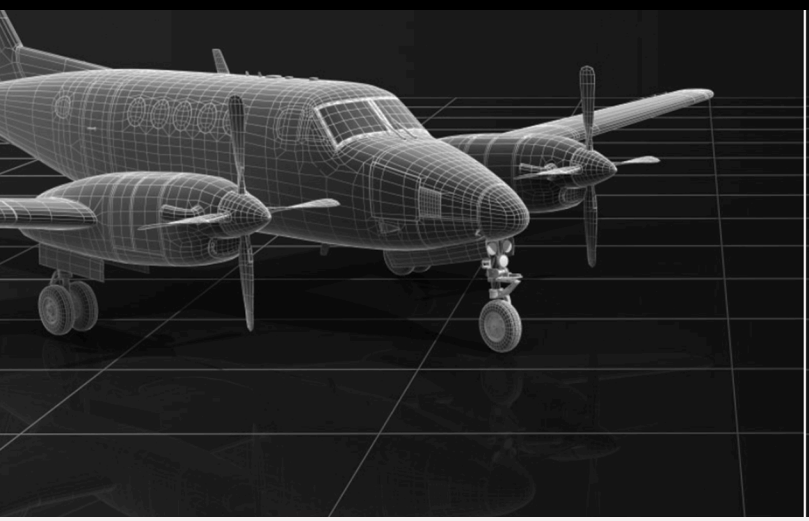
STARTSTICK



20AH STARTSTICK
COMPACT GROUND POWER UNIT

Compatible, light weight and convenient.

- NATO Connector fits most aircraft Ground Power receptacles
- Applies less load on GPU receptacles than standard cables
- Cable-less compact design makes it easy to use and stow

Multi-function display and control cluster.

- Sunlight readable display shows battery status and capacity at glance
- Front panel puts the power button and charge port at your fingertips

Manufactured to be tough and long lasting.

- Durable casing built to withstand the toughest treatment
- A123 Lithium Nano-phosphate cells deliver all the power you need
- Built in the USA

parts@kadexaero.com Peterborough 1-705-742-9725 Calgary 1-403-250-5241 **www.kadexaero.com**

KADEX AERO SUPPLY

STARTSTICK

DATA SHEET

NEW

FEATURES

- In-Flight Charging (using optional receptacle)
- Over / Under Voltage Protection
- OverCurrent / Short Circuit Protection
- State of Charge Display
- Voltage Display
- On-Board diagnostics

IDEAL FOR

- Ramp Maintenance
- Emergency Starts
- Database Updates

	Units	STARTSTICK 10 PN: 100154	STARTSTICK 15 PN: 100155	STARTSTICK 20 PN: 100156
ELECTRICAL SPECIFICATIONS				
Capacity	Ah	9.7	14.7	19.4
Capacity (Lead-Acid Equivalent)	Ah	19.4	29.4	38.8
Nominal Voltage	Volts	26.4	26.4	26.4
Max Current (Pulse)	Amps	800	800	1600
Max Current (Continuous)	Amps	200	300	400
Max Current (Chemistry)	Amps	19400	25866	51733
Operating Temperature	Deg C (Deg F)	0-60 (32-140)	0-60 (32-140)	0-60 (32-140)
Storage Temperature	Deg C (Deg F)	-40-60 (-40-140)	-40-60 (-40-140)	-40-60 (-22-140)
AC Charger Input Voltage	Volts	110/240 (50/60 hz)	110/240 (50/60 hz)	110/240 (50/60 hz)
In-Flight Charge Circuit Rating	Amps	5	5	5
Charge Rate (software regulated)	Amps	3.5	3.5	3.5
Number of starts	starts/charge	3-4 *	3-4 *	3-4*
Time before discharge	min	29 **	44 **	60**
Charge Cycles	cycles	>1000 ***	>1000 ***	>1000***
Engine Starts	start cycles	3000-4000 ****	3000-4000 ****	3000-4000 ****
Charge Time (after one start)	min	25-35	25-35	30-40
Charge Time (dead Battery)	hrs	2.8 (approx)	4.2 (approx)	5.6 (approx)

* Using StartStick application chart

** Assuming 20amp load

*** Capacity Check is <80% of rated, ambient temp

**** Using 3-4 starts per cycle, ambient temp

MECHANICAL SPECFICATIONS				
Mass	kg (lb)	4.81 (10.6)	6.76 (14.9)	9.21 (20.20)
Width	mm (inch)	157 (6.19)	157 (6.19)	185 (7.31)
Length	mm (inch)	432 (17.00)	539 (21.21)	438 (17.25)
Height	mm (inch)	78 (3.07)	78 (3.07)	108 (4.27)
Load on GPU Connector	nm (lbf-ft)	10.5(7.76)	16.8(12.4)	20.2 (14.9)
Case Material		Rynite 530	Rynite 530	Rynite 530
Chemical Resistance of oil, fuel, solvents		✓	✓	✓

* Less than a Hobart® cable on the ground

CARRYING CASE SPECIFICATIONS				
Material		Ballastic Nylon	Ballastic Nylon	Ballastic Nylon
Attachment		Velcro	Velcro	Velcro

CERTIFIED TESTING		
Mechanical Shock	g's	150
Altitude	ft	50,000
Vibration	hz	7 - 200
Short Circuit	hrs	1+6 (resting)
Overcharge	volts	>33
Temperature Shock	deg C / hr	224