

### 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

STARTSTICK 15

STARTSTICK 20

### ELECTRICAL SPECIFICATIONS

		STARTSTICK 10	STARTSTICK 15	STARTSTICK 20
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

### BATTERY LIFE

		STARTSTICK 10	STARTSTICK 15	STARTSTICK 20
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 SPECIFICATIONS

		STARTSTICK 10	STARTSTICK 15	STARTSTICK 20
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

	STARTSTICK 10	STARTSTICK 15	STARTSTICK 20
Material	Ballastic Nylon	Ballastic Nylon	Ballastic Nylon
Attachment	Velcro	Velcro	Velcro

### CERTIFIED TESTING

		STARTSTICK 10
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