

# DATA SHEET

**IDEAL FOR**

- Ramp Maintenance
- Emergency Starts
- Database Updates

**FEATURES**

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



	Units	StartStick®	StartStick® Fleet
<b>ELECTRICAL SPECIFICATIONS</b>			
Capacity	Ah	9.7	14.7
Capacity (Lead-Acid Equivalent)	Ah	19.4	29.4
Nominal Voltage	Volts	26.4	26.4
Max Current (10 sec limit)	Amps	480	720
Max Current (Continuous)	Amps	200	300
Max Current (Protection Off)	Amps	19400	38800
Max Current (Protection On)	Amps	1350	1350
Operating Temperature	Deg C (Deg F)	-30-60 (-22-140)	-30-60 (-22-140)
Storage Temperature	Deg C (Deg F)	-40-60 (-40-140)	-40-60 (-40-140)
AC Charger Input Voltage	Volts	110/240 (50/60 hz)	110/240 (50/60 hz)
In-Flight Charge Circuit Rating	Amps	5	5
Charge Rate	Amps	3.5 (software regulated)	3.5 (software regulated)

**BATTERY LIFE**

Number of starts	starts/charge	3-4 *	3-4 *
Time before discharge	min	29 **	44 **
Charge Cycles	cycles	>1000 ***	>1000 ***
Engine Starts	start cycles	3000-4000 ****	3000-4000 ****
Charge Time (after one start)	min	25-35	25-35
Charge Time (dead Battery)	hrs	2.8 (approx)	4.2 (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**

Mass	kg (lb)	4.81 (10.6)	6.76 (14.9)
Width	mm (inch)	157 (6.19)	157 (6.19)
Length	mm (inch)	432 (17.00)	539 (21.21)
Height	mm (inch)	78 (3.07)	78 (3.07)
Load on GPU Connector	nm (lbf-ft)	36 (26.5)*	70 (52.1)*
Case Material		Rynite 530	Rynite 530
Chemical Resistance		Oil, Fuel, Solvents	Oil, Fuel, Solvents
* Less than a Hobart® cable on the ground			

**Carrying Case Specifications**

Material	Ballastic Nylon	Ballastic Nylon
Attachment	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

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Germany  
**Telemeter Electronic GmbH**  
 Joseph-Gaensler-Str. 10, 86609 Donauwoerth  
 Phone +49 906 70693-0, Fax +49 906 70693-50  
 info@telemeter.de, www.telemeter.info

Switzerland  
**Telemeter Electronic GmbH**  
 Romanshornstrasse 117, 8280 Kreuzlingen  
 Phone +41 71 6992020, Fax +41 71 6992024  
 info@telemeter.ch, www.telemeter.info

Czech Republic  
**Telemeter Electronic s.r.o.**  
 České Vrbné 2364, 370 11 České Budějovice  
 Phone +420 38 530637  
 info@telemeter.cz, www.telemeter.info