

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 |
|----------------------------------|---------------|--------------------------|--------------------------|
| ELECTRICAL SPECIFICATIONS | | | |
| 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 | Ballistic Nylon | Ballistic 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 |