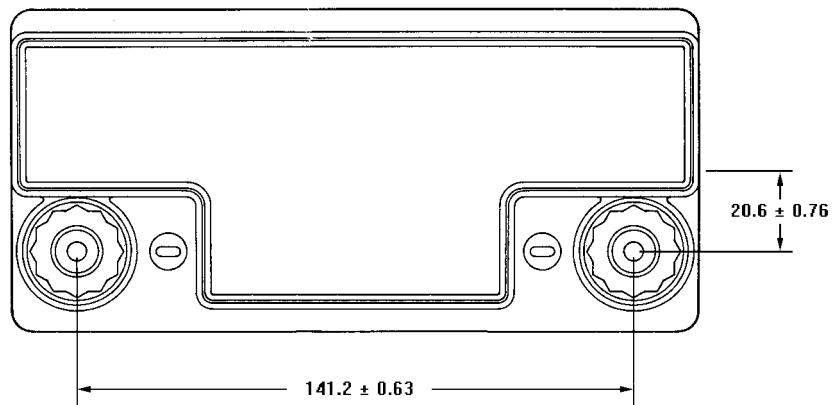


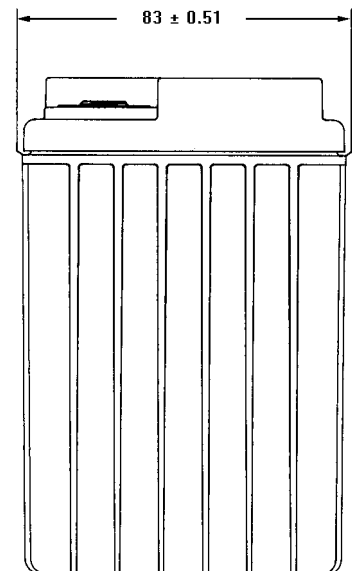
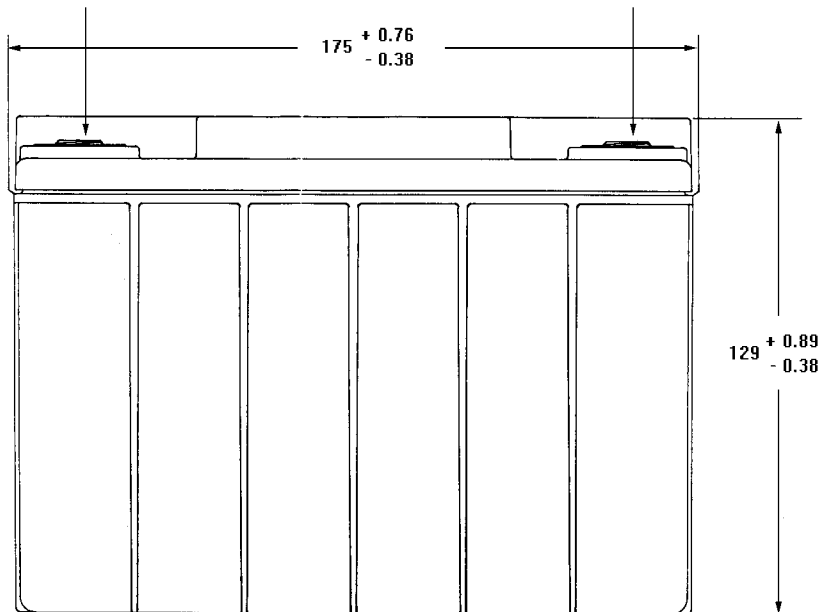
SPARK500 12V 13Ah

High-performance pure lead-tin sealed battery.



NEGATIVE TERMINAL
M5 X 0.8-6H X 11.4 DEEP

POSITIVE TERMINAL
M5 X 0.8-6H X 11.4 DEEP



Dimensions (mm)

AZIENDA CON SISTEMA QUALITÀ
CERTIFICATO DA DNV
UNI EN ISO 9001



Divisione
Componenti
Elettronici
per l'Industria

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SPARK500 12V 13Ah

High-performance pure lead-tin sealed battery.

Physical Specifications:

- ▣ **Dimensions (mm):**
 - length: 83 (± 0.51)
 - width (terminal side): 175 (+0.76/-0.4)
 - height: 129 (+0.76/-0.4)
- ▣ **Weight (kg):** 4.9
- ▣ **Materials:** UL94-VO (flame retardant) case-cover.
High purity lead-tin, with thin, high plate surface area.
Starved electrolyte.
- ▣ **Terminal type:** M6 copper alloy - female threaded, w/stainless steel bolt.

Performance Specifications:

- ▣ **Nominal Watts to 1.67vpc, 25°C:**
 - 5 minutes: 810W
 - 10 minutes: 510W
 - 15 minutes: 360W
- ▣ **Capacity to 1.67vpc:**
 - 20-hour rate: 14Ah
 - 10-hour rate: 13Ah
 - 5-hour rate: 13Ah
 - 1-hour rate: 10Ah
- ▣ **Internal resistance of fully charged cell:** 8.5m Ω
- ▣ **Maximum discharge current:** 545A
- ▣ **Approximate short circuit current:** 1200A
- ▣ **Charging:**
 - Standby, per 12V battery: 13.5-13.8V (2.25-2.30vpc), no current limit required
 - Cyclic, per 12V battery (16 hr. recharge): 14.7-15.0V (2.45-2.50vpc), no current limit required
- ▣ **Life characteristics (to 80% of rated capacity):**
 - Typical cycle life at:
 - a) 15 minute rate at 25°C with 16-24 hr. charge, no current limit:
 - 250 cycles at 2.45 vpc; 100% DOD
 - 350 cycles at 2.45 vpc; 80% DOD
 - b) 5-hour rate at 25°C with 16-24 hr. charge, no current limit:
 - 400 cycles at 2.45 vpc; 100% DOD
 - 500 cycles at 2.45 vpc; 80% DOD
- ▣ **Temperature range:** -40°C to +60°C, depending on packaging selected