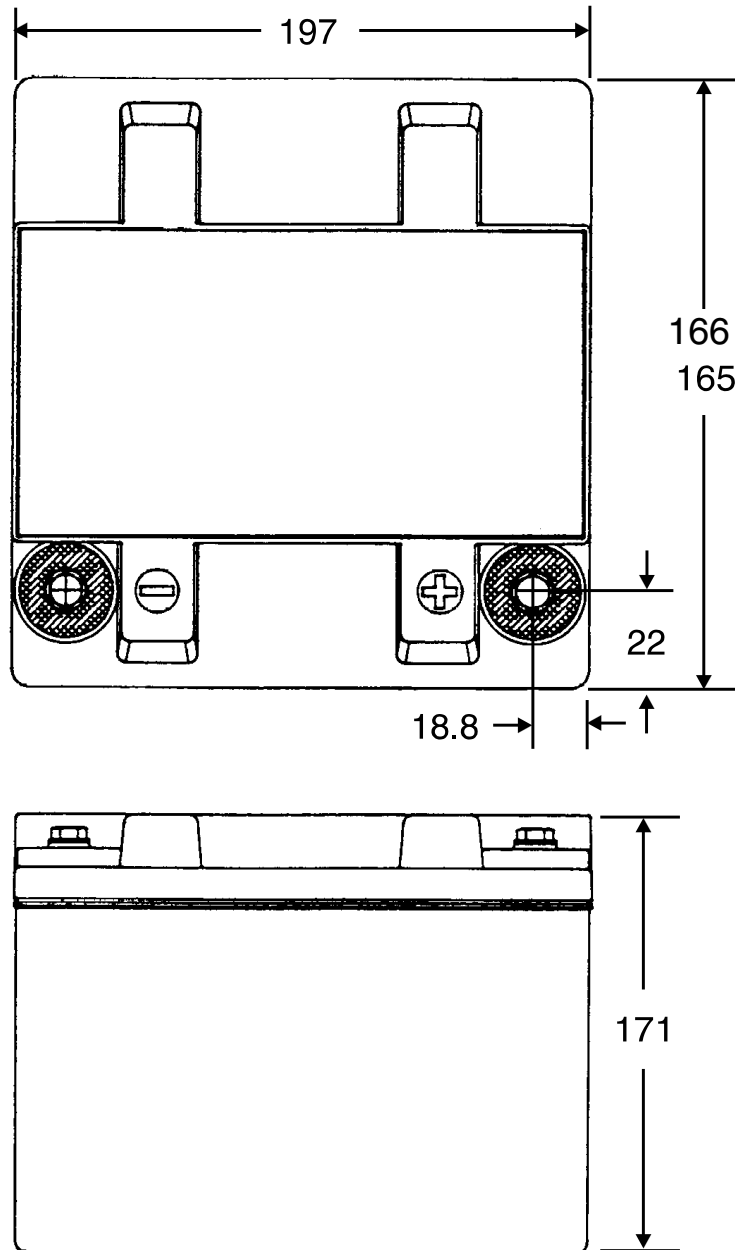


SPARK 1200 12V 42Ah

High-performance pure lead-tin sealed battery.



Dimensions (mm)



**Divisione
Componenti
Elettronici
per l'Industria**

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SPARK 1200 12V 42Ah

High-performance pure lead-tin sealed battery.

Physical Specifications:

- **Dimensions (mm):**

length:	166
width (terminal side):	197
height:	171
- **Weight (kg):** 15
- **Materials:** Available in UH-LB or UL94-VO (flame retardant) case-covers.
High purity lead-tin, with thin, high plate surface area.
Starved electrolyte.
- **Terminal type:** M6 copper alloy - female threaded, w/stainless steel bolt.
Standard automotive terminals available on request.

Performance Specifications:

- **Nominal Watts to 1.67vpc, 25°C:**

5 minutes:	2291W
10 minutes:	1540W
15 minutes:	1173W
- **Nominal constant current capacity (to 1.67vpc, 25°C):**

20-hour rate:	46.0Ah	(2.3A)
10-hour rate:	42.0Ah	(4.2A)
5-hour rate:	39.5Ah	(7.9A)
1-hour rate:	33.8Ah	(33.8A)
5-minute rate:	17.7Ah	(212.0A)
- **Fully charged internal resistance:** 4.5mΩ
- **Maximum discharge current:** 1200A
- **CCA (30 sec. at -18°C):** 630A
- **Reserve capacity:** 90 minutes
- **Approximate short circuit current:** 2600A
- **Constant voltage charge parameters:**

<i>Standby, per 12V battery:</i>	13.5-13.8V, no current limit required
<i>Cyclic, per 12V battery (16 hr. recharge):</i>	14.4-15.0V, no current limit required
- **Life characteristics (to 80% of rated capacity):**

<i>Typical cycle life at:</i>	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 +45°C (charge-discharge, w/o optional steel jacket)
-40°C to +60°C (charge-discharge with optional steel jacket)