

Security Force brand batteries are high quality batteries produced specifically for security and fire systems.

Stationary lead-acid maintenance-free Security Force batteries are manufactured by AGM technology.

Recommended for use in low-current systems and optimized for cycle operation.



**Battery construction**

Element	Positive plate	Negative plate	Case	Lid	Valve	Terminal	Separator	Electrolyte
Material	Lead dioxide	Lead	ABS		Rubber	Copper	Fiberglass	Acid

**Specifications**

Nominal voltage.....12 V  
 Design life.....3-5 years  
 Nominal capacity (25°C)  
 20 hours rate .....4,5 Ah  
 Internal resistance (25°C).....50 mΩ  
 Self-discharge.....3% capacity per month 25°C

**Operating temperature range**

Discharge..... -15÷50°C  
 Charge..... -10÷50°C  
 Storage..... -20÷50°C

**Charge Method: Constant Voltage (25°C)**

Cycle mode (14,4÷15 V)  
 Maximum discharge current.....1,35 A  
 Temperature correction factor.....10 mV/°C  
 Standby mode (13,62÷13,8 V)  
 Temperature correction factor.....6,6 mV/°C

**Dimensions (±2mm)**

Length, mm.....90  
 Width, mm.....70  
 Height, mm.....101  
 Height over terminals, mm.....107

**Performance & characteristics**

- AGM technology allows to recombine 99% of the generated gas;
- No restrictions on air transportation;
- Compliance with the UL requirements;
- Lead plates, alloyed by calcium, provide high energy density;
- Long service life;
- Maintenance-free. Do not require distillate topping;
- Low self discharge;
- The battery case is made of flame-retardant ABS plastic.

