



Battery Model: D27F
Part Number: 8037-127
Nominal Voltage: 12 volts
NSN: 6140-01-600-5785
Description: High power, dual purpose engine start and deep cycle, sealed lead acid battery
CAGE: OUJ55

Physical Characteristics:

Plate Design: High purity lead-tin alloy. Wound cell configuration utilizing proprietary *SPIRALCELL*® technology.
Electrolyte: Sulfuric acid, H₂SO₄
Case: Polypropylene
Color: Case: Light Gray
 Cover: "OPTIMA" Yellow
Group Size: BCI: 27

	Standard	Metric
Length:	12.160"	308.86 mm
Width:	6.762"	171.75 mm
Height:	8.610"	218.69 mm (Height at the top of terminals)
Weight:	53.2 lb	24.1 kg

Terminal Configuration: SAE / BCI automotive.

Performance Data:

Open Circuit Voltage (Fully charged): 13.1 volts
Internal Resistance (Fully charged): 0.0025 ohms
Capacity: 66 Ah (C/20) 58 Ah (C/1)
Reserve Capacity: BCI: 140 minutes
 (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Power:

CCA (BCI 0°F): 830 amps
MCA (BCI 32°F): 1025 amps

Charging & Technical Support:

Contact our Military Factory Rep Group: **Military Battery Systems, Inc. 970-586-0660, www.milbatteries.com** Factory-direct pricing, engineering drawings, charging parameters, etc.

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These batteries are designed for starting and deep cycle applications and for use in vehicles with large accessory loads.