



Battery Model: D27M
Part Number: 8027-127
Nominal Voltage: 12 volts
NSN: 6140-01-589-0622
Description: High power, dual purpose engine start and deep cycle, sealed lead acid battery

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" Blue
Group Size: BCI: 27

	Standard	Metric
Length:	12.160"	308.86 mm
Width:	6.762"	171.75 mm
Height:	8.700"	220.98 mm (Height at the top of terminals)
Weight:	53.8 lb	24.4 kg

Terminal Configuration: SAE / BCI automotive and 5/16"-18UNC-2A threaded stainless steel stud.

Performance Data:

Open Circuit Voltage (Fully charged): 13.1 volts
Internal Resistance (Fully charged): .0025 ohms
Capacity: 66 Ah (C/20)
Reserve Capacity: BCI: 140 minutes
(25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Power:

CCA (BCI 0°F): 800 amps
MCA (BCI 32°F): 1000 amps

Recommended Charging:

Please contact us for charging & maintenance procedures, alternator settings, charger recommendations, etc. For general shop re-charging use a constant voltage charger that has the maximum charge voltage set at 14.4 to 14.7 volts.

Model: D27M

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