



OPTIMA Yellow Prius

Specifications

OPTIMA® YELLOWTOP® DS46B24R offers a direct fit replacement for the 2004 and newer Toyota Prius.® This 12-volt AGM battery is the first OPTIMA® product to provide a direct fit replacement for the Toyota Prius. It integrates with the current Toyota OE vent system and does not require special installation. Besides being a direct fit replacement for the Toyota Prius, the new battery features deep-cycle dependability, over 15 times more vibration resistance compared to traditional batteries, and a long shelf life thanks to the low self-discharge rate.

Battery Model:	DS46B24R
Part Number:	8171-767

Performance Data

Nominal Voltage:	12 volts
Open Circuit Voltage (fully charged):	13.1 volts
Internal Resistance (fully charged):	0.0046 ohms
Capacity:	38 Ah (C/20)
Reserve Capacity:	BCI: 66 minutes (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Physical Characteristics

Plate Design:	High purity lead-tin alloy. Wound cell configuration utilizing proprietary SPIRALCELL TECHNOLOGY®.
Electrolyte:	Sulfuric acid, H ₂ SO ₄
Case:	Polypropylene
Case Color:	Light Gray
Cover Color:	“OPTIMA“ Yellow
Group Size:	JIS: 46B24R
Weight:	26 lb
Length:	9.272 in
Width:	5.024 in
Height:	8.885 in

Power	
CCA (BCI 0°F):	450 amps
MCA (BCI 32°F):	575 amps

Recommended Charging
<p>The following charging methods are recommended to ensure a long battery life: (Always use a voltage regulated charger with voltage limits set as described below.)</p> <p>Model: DS46B24R These batteries are designed for starting and deep cycle applications and for use in vehicles with large accessory loads.</p>

Recommended Charging Information	
Alternator:	13.65 to 15.0 volts
Battery Charger:	13.8 to 15.0 volts; 10 amps maximum; 6-12 hours approximate
Float Charge:	13.2 to 13.8 volts; 1 amp maximum; (indefinite time at lower voltages)
Rapid Recharge (Constant voltage charger):	Maximum voltage 15.6 volts. No current limit as long as battery temperature remains below 125°F (51.7°C). Charge until current drops below 1 amp.
Cyclic or Series String Applications::	14.7 volts. No current limit as long as battery temperature remains below 125°F (51.7°C). When current falls below 1 amp, finish with 2 amp constant current for 1 hour. All limits must be strictly adhered to.