

**POWER SOLUTIONS FOR TOYOTA LANDCRUISERS**

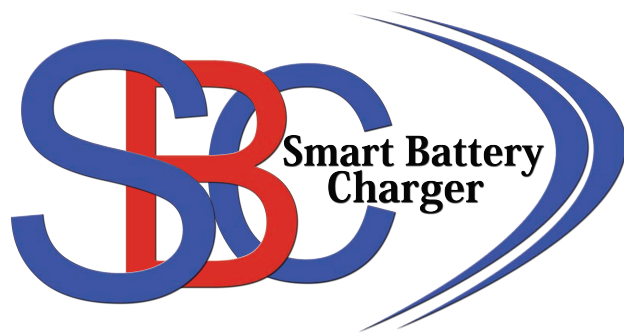


High Output Alternators

Toyota Landcruisers

- 1HZ
- 1HD-FTE
- 1FZ
- 2UZ
- 1GR-FE
- 1VD-FTE

**Smart Battery Charger**  
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## 12V ALTERNATORS FOR 4.2L 1HZ GAS TOYOTA LANDCRUISERS



### TLC-4.2-210 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	210
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.2-230XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	230
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.2-250 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	250 (320 Optional)
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.2-250XP ALTERNATOR

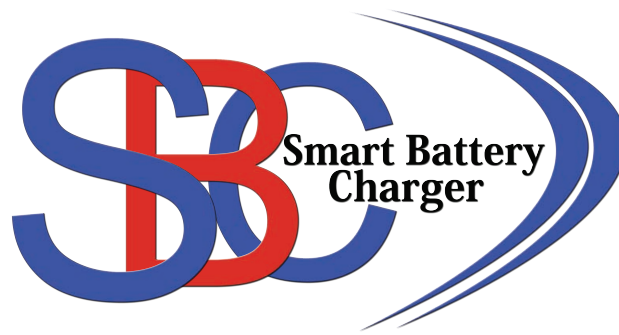
Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.2-270XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	160
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## 12V ALTERNATORS FOR 4.2L 1HD-FTE TD TOYOTA LANDCRUISERS



### TLC-4.2TD-210 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	210
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.2TD-230XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	230
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.2TD-250 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	250 (320 Optional)
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.2TD-250XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.2TD-270XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	160
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## 12V ALTERNATORS FOR 4.5L 1FZ GAS TOYOTA LANDCRUISERS



### TLC-4.5-210 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	210
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.5-230XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	230
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.5-250 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	250 (320 Optional)
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.5-250XP ALTERNATOR

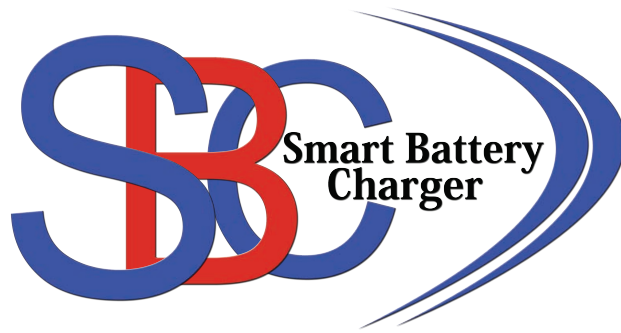
Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.5L-270XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	160
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## 12V ALTERNATORS FOR 4.7L 2UZ GAS TOYOTA LANDCRUISERS



### TLC-4.7-210 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	210
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.7-230XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	230
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.7-250 ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	120
Max Amperage	250 (320 Optional)
Mounting Type	Direct fit to OEM Mounting
Weight:	13 Lbs / 5.89 Kgs



### TLC-4.7-250XP ALTERNATOR

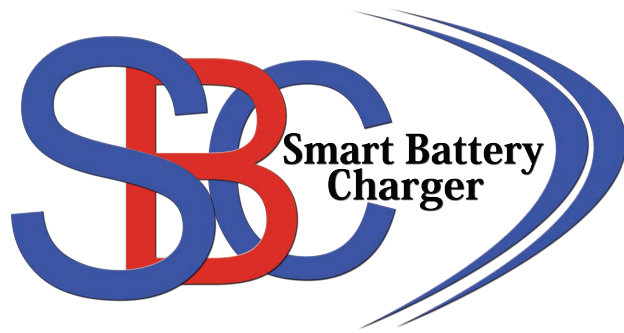
Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.7-270XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	160
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## 12V ALTERNATORS FOR 4.0L 1GR-FE GAS TOYOTA LANDCRUISERS



### TLC-4.0-250XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.0-270XP ALTERNATOR

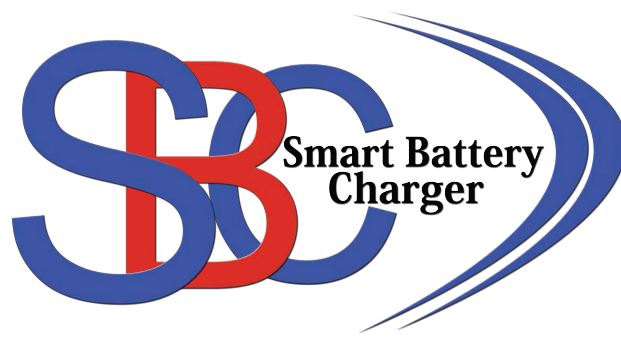
Output Voltage	15.1VDC
Idle Amperage	180
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.0-390XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	390
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## 12V ALTERNATORS FOR 4.5L 1VD-FTE TD TOYOTA LANDCRUISERS



### TLC-4.5TD-230XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	230
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.5TD-250XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	170
Max Amperage	250
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.5TD-270XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	180
Max Amperage	270
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs



### TLC-4.5TD-390XP ALTERNATOR

Output Voltage	15.1VDC
Idle Amperage	150
Max Amperage	390
Mounting Type	Direct fit to OEM Mounting
Weight:	17 Lbs / 7.71 Kgs

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## SBC HIGH OUTPUT ALTERNATOR FEATURES

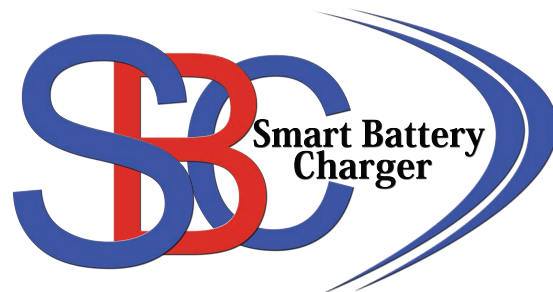
The SBC high output alternator is a component of a next generation high efficiency, severe duty charging system specifically engineered for Toyota Landcruiser engines. This system consists of a high output alternator and internal regulator. The alternator has a maximum efficiency in excess of 75 percent. The rectifier is mounted onboard the alternator and consists of 12, 40 Amp press-fit diodes. The brush holder assembly and slip ring are environmentally protected and consists of premium heavy-duty oversized bearings. The alternator housings are precision-machined cast aluminum and all components are of OEM or Mil-spec quality with all major components being carefully chosen for maximum performance and reliability.

SBC high output alternators feature an advanced proprietary stator winding. This innovative design maximizes efficiency with near 80 percent sectional density of the winding coupled with very low coil resistance. Accordingly, the alternator produces maximum low speed output, as well as a 90% reduction of magnetic pulsation with the stator windings built in cancel circuit to minimize electrical noise.

The internal regulator is a proprietary design advanced multifunction digital regulator that completely integrates into the vehicles PCM through the OEM wiring harness. For this reason, all vehicle specific functions are maintained, for example: internal temperature compensation, lamp terminal monitoring, load response control, and alternator load factor.

The alternator is specially designed to mount directly in the OEM mounting location with no modification. All electrical connections shall be in the original locations. The alternator features a custom machined drive pulley that is 5% smaller than the OEM diameter for increased output at idle speeds and retains OEM belt length. The pulley is precision CNC 6061T6 aluminum and is .002 hard anodized coating for wear resistance and durability.

The supplied charging system is manufactured to the highest quality standards in the USA with premium USA made or sourced components for the highest quality possible. All of SBC's high output alternator's parts are carefully chosen for the maximum durability, dependability and proven performance in the field.



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