

Arizon 12/48-30A DC/DC Charger

This high efficiency 12/48-30A DC/DC Charger can step up the voltage from a standard 12V alternator to a suitable charging voltage for an auxiliary 48V battery. It can be set to charge Lithium (LiFePO4) or Lead-acid (GEL or AGM) batteries.

Compatible with a Wide Variety of Batteries

- Settings available for Sealed, Gel, Vented, Lithium (LiFePO4) Batteries.
- Custom setting available for other specific batteries.

3 Stage Charge Algorithm

- For Lead-Acid battery types (GEL, AGM) Bulk, Absorption and Float
- 2-stage Lithium battery charge - Bulk and Constant Voltage

LED Status Indicators

- LED Indicators for input battery, secondary battery and battery type.

Optional Ignition Input

- Optional Ignition input can be used when using the charger with a Smart Alternator.

High-Temperature Protection

- Default temperature compensation for Lead-Acid batteries is $-3\text{mV}/^{\circ}\text{C}/2\text{V}$.
- Temperature Compensation to extend the lifespan of Lead-Acid Batteries.



Outstanding Energy Efficiency

- Maximum Conversion Efficiency of 98%.
- Voltage Line Loss Compensation makes Battery Charging Voltage Control more accurate.

Heavy Duty Design

- M8 threaded terminal posts provided for connection of heavy duty cable lugs, suitable for high current and low voltage drop.
- IP65 Grade Protection

Battery Output Voltage	48V
Battery Type	LiFePO4, GEL, AGM, Custom
Battery Input Voltage	12V
Battery Type	Lead-Acid
Charge Current (A)	30
Max Charge Efficiency	98%
Comms	TTL
Protection Function	Overcharge, Overcurrent, overtemperature
Operating Temperature Range	35°C to 65°C
Weight	5.3kg
Dimensions	233x262x100mm

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