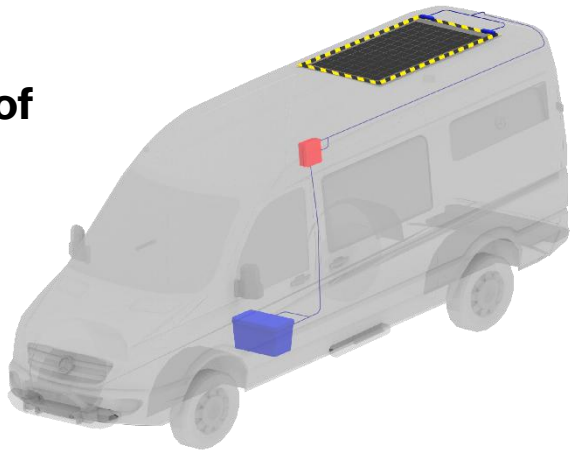
310W Apollo Charger

Solar Kit for Heavy-Duty Vehicles



Produce clean energy from your vehicle's roof

The **Apollo Charger** is a leading solar solution engineered for trucks, buses, LCVs, recreational vehicles and trailers. With Apollo's patented flexible solar cell technology, fleets achieve measurable fuel savings, longer battery life, and all-weather reliability without compromising vehicle performance.

Apollo Power is the world's largest flexible solar manufacturer, offering patented durable solutions to provide green energy for your fleet.

1,000+
Apollo Charger systems worldwide

3%-8%
Reduction of fuel cost and 3.1-7.4 tons of CO_2 emissions per vehicle annually

12-18 Months
Fast return on investments

Main Benefits and Key Features

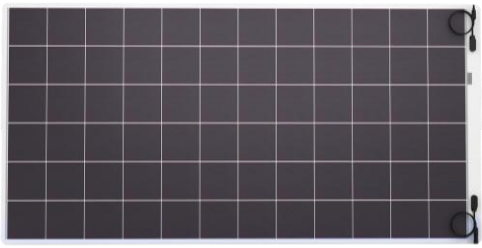
Prevents Battery Discharge
Reduce maintenance costs

Extends Battery Life
Reduces downtime and extends battery life by x1.5

Fast Installation
Easy enough for DIY

Ultra lightweight
Less than 15 kg additional weight for the full system

ApolloMotive – The Ultimate Vehicle Solar Panel



All - Weather Panel
Tested and certified for all weather conditions, including snow and hail

Built for Motion
Vibration resistant due to Apollo's flexible solar cell technology

Join the Best
Apollo is working with leading OEM's & global leaders: VW, ZF, Audi, Amazon, Lippert

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PV MODULE SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

Maximum Power (Pmax)	310±5%W
Maximum Power Voltage (Vmp)	37.6v
Maximum Power Current (Imp)	8.25
Open Circuit Voltage (Voc)	47.5±5%
Short Circuit Current (Isc)	9.1+5% A
Module IP Rating	IP68
Dimensions	2020X1005X2.2 mm (JB height dimension – 14.8 mm)

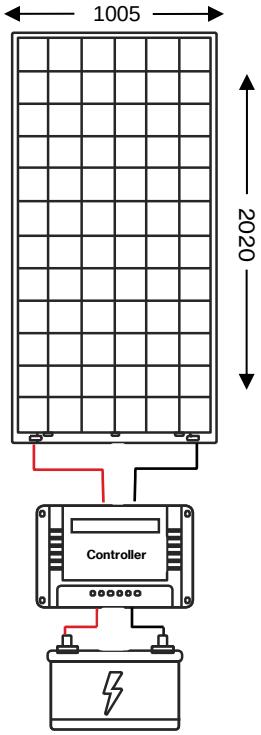
SYSTEM SPECIFICATIONS

Controller Type	Victron - MPPT Charge Controller
Battery voltage	12/24 V
Rated charge current)	15 A
Operating temperature	-30 to +60°C (full rated output up to 40°C)
Controller Safety Standards	EN/IEC 62109-1, UL 1741, CSA C22.2
IP Rating	IP43
Data Access	Bluetooth Connection
Solar Installation method	Adhesive to surface
Monitoring System (optional)	Victron – global link 520

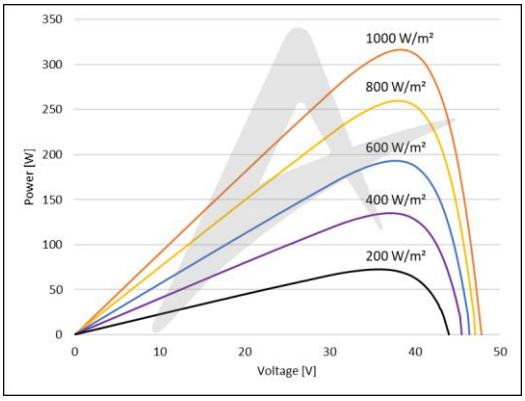
PACKAGING CONFIGURATION

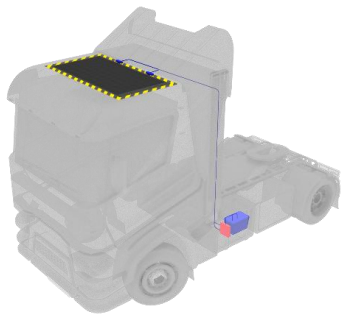
Boxes for Kit	2
Kits per Pallet	12
Kits per 40' Container	252
Pallet dimensions LxWxH	2080X1080X2300 mm
Part 1 Box (Module) Weight	12.8 kg
Part 2 Box (Controller + cabling)	4.7 kg

ENGINEERING DRAWINGS



IV Curve





CERTIFICATIONS AND TESTS

CE

Apollo: ISO9001:2015