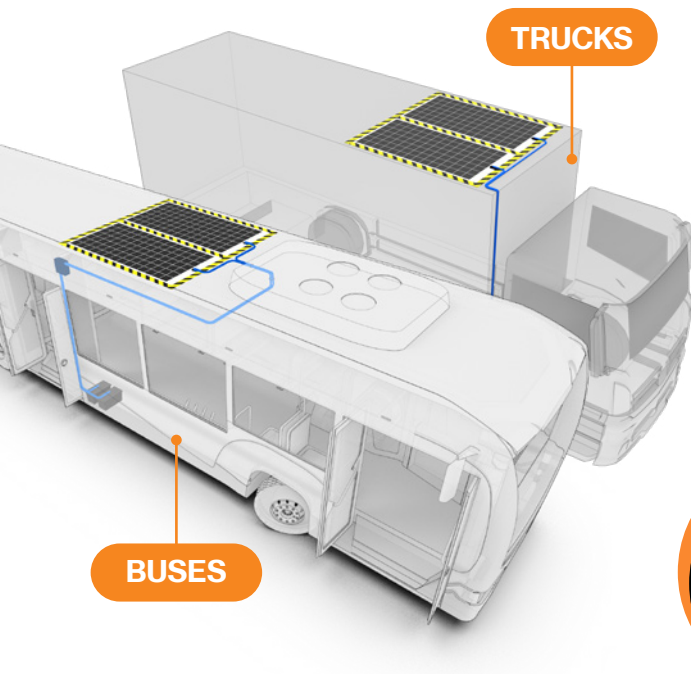


Apollo Charger Solar Kit for Trucks & Buses

Your best solution to reduce fuel costs,
CO2 emissions & avoid idle time



Produce Energy from Your Vehicle's Roof

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

Apollo's systems for Heavy Duty fleets have a proven track record for a range of energy challenges – preventing battery discharge, minimizing idle time, and reducing fuel consumption and CO2 emissions, with fast ROI.

3-8%

Reduction of fuel cost and 3.1 tons of CO2 emissions per vehicle annually

12-18 MONTHS

Quick return on investment

1000+

Experience with installed systems worldwide

CERTIFICATIONS AND TESTS

IEC 61215:2021, IEC 61730:2016, ANSI/UL 61215:2021, ANSI/UL 61730:2017, CE, ISO9001:2015, Design, production, and marketing flexible solar panels



MAIN BENEFITS & KEY FEATURES



All-Weather Module

Tested and certified for all weather conditions, including snow and hail



Ultra Lightweight

Less than 15 kg additional weight for the full system



Extend Battery Life

Eliminate downtime, reduce maintenance costs and extended battery life by 1.5



The Safest Solar Panel

Flexible cell technology with enhanced micro-crack tolerant caused by the vehicle's vibrations



Installed in less than 2 hours

Easy and fast installation: Zero maintenance



Join the Best

Apollo is working with leading OEMs and received a 10-year order from VW Commercial Vehicles

PV SYSTEM SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

Maximum Power (Pmax)	600±5%	W
Maximum Power Voltage (Vmp)	38	V
Maximum Power Current (Imp)	15.66	A
Open Circuit Voltage (Voc)	47.5±5%	V
Short Circuit Current (Isc)	17.2±5%	A
Maximum Series Fuse	40	A
Maximum System Voltage	1000V	Vdc
Moule IP Rating	IP68	

Dimensions (mm) 2020X1005X2.6
(JB height dimension - 14.8 mm)

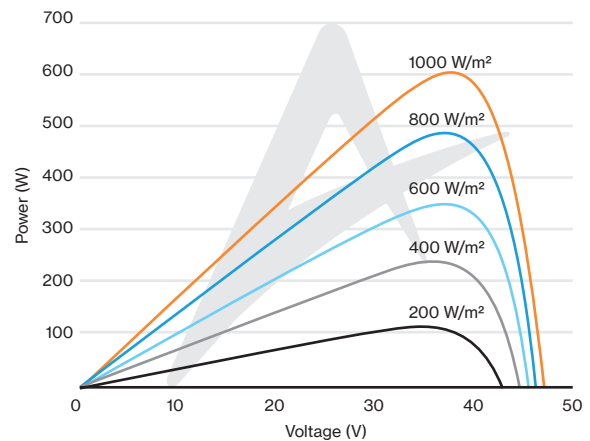
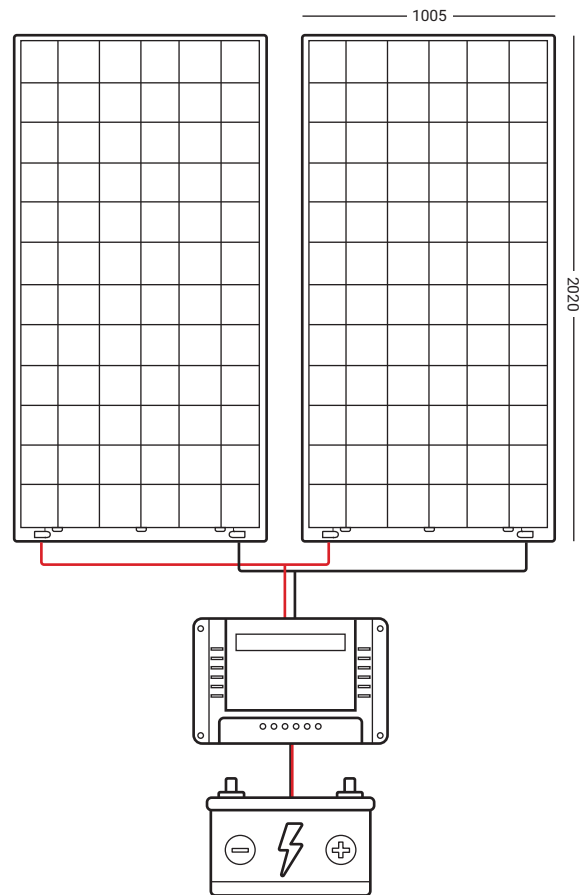
SYSTEM SPECIFICATIONS

Controller Type	MPPT Charge Controller
Battery voltage	24 V
Rated charge current	30 A
Charge voltage 'absorption' Default setting	28,8 V (adjustable)
Charge voltage 'float' Default setting	27,6 V (adjustable)
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	IP55
Data Access	Bluetooth Connection

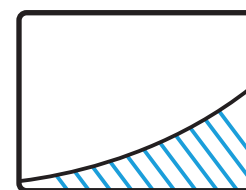
PACKAGING CONFIGURATION

Boxes for Kit	2
Kits per Pallet	24
Kits per 40' Container	216
Pallet dimensions LxWxH (mm)	2080X1080X2300
Part 1 Box (Modules) Weight (Kg)	18.6
Part 2 Box (Controller + cabling) Weight (Kg)	4.7

ENGINEERING DRAWINGS



EASY INSTALLATION TECHNIQUE



Durable Adhesive