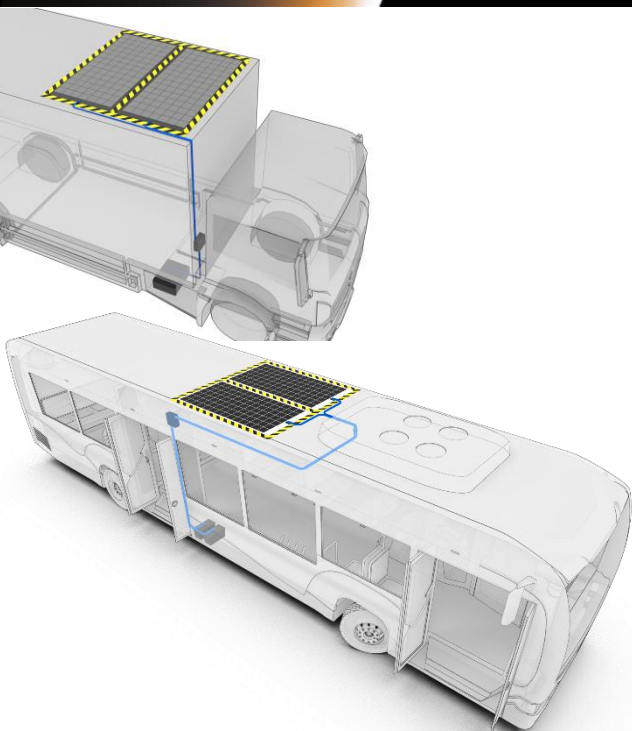




# 620W- Apollo Charger Solar Kit for Heavy-Duty Vehicles

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 31 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 morf redro raey-10 selciheV laicremmoC WV





## PV SYSTEM SPECIFICATIONS

STC 1,000 W/sqm, (25 ± 2)°C, AM 1.5

Maximum Power (Pmax)	620±5%	W
Maximum Power Voltage (Vmp)	37.6	V
Maximum Power Current (Imp)	16.5	A
Open Circuit Voltage (Voc)	47.5±5%	V
Short Circuit Current (Isc)	18.2±5%	A
Moule IP Rating	IP68	
Dimensions (mm)	2020X2025X2.2 (JB height dimension – 14.8 mm)	

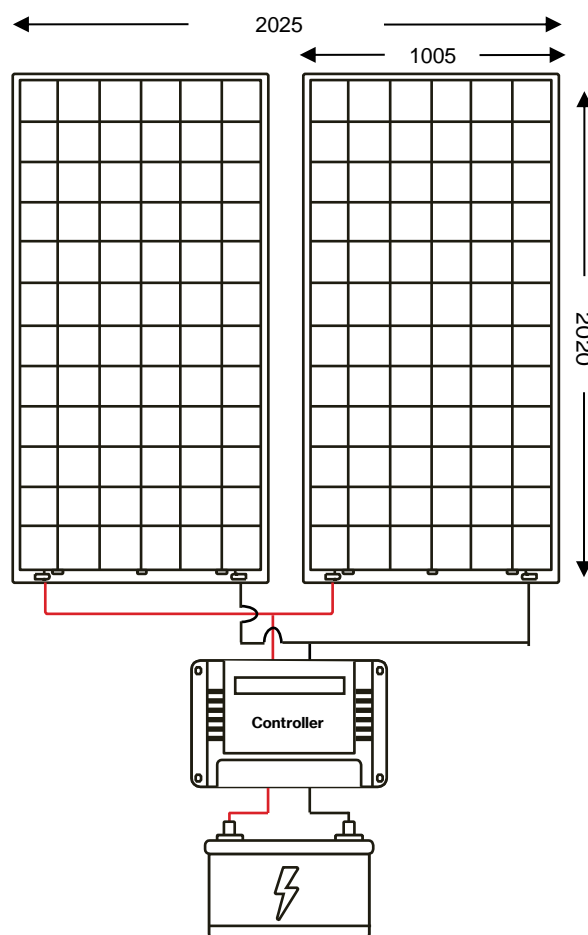
## SYSTEM SPECIFICATIONS

Controller Type	Victron - MPPT Charge Controller
Battery voltage	12/24V
Rated charge current	30 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
Monitoring System (optional)	Victron – global link 520
CBOX dimensions	200X200X100 mm
Solar Installation method	Adhesive to surface

## PACKAGING CONFIGURATION

Boxes for Kit	2
Kits per Pallet	12
Kits per 40' Container	252
Pallet dimensions LxWxH (mm)	2080X1080X2300
Part 1 Box (Modules) Weight (Kg)	18.6
Part 2 Box (Controller + cabling) Weight (Kg)	4.7

## ENGINEERING DRAWINGS



IV Curve

