

# M-F PRODUCT RANGE & SPECIFICATIONS

Model	Weld Amps. OCV 50V DC	Plug-220V Modified Sine at 50Hz	12V Charge Amperes at 14.0V DC	12V Boost Amperes at 16V DC	24V Boost Amperes at 30V DC	Engine HP required
ACQ Standard	185	3.0kW	140	100	100	11 HP
ACQ Turbo	225	3.5kW	170	130	130	14 HP
ACQ Jumbo	300	5.0kW	220	170	170	18 HP

## OTHER RELATED POWER ELECTRONICS PRODUCTS

Power-Tek	Generator Only units A range of Sinewave generators powered by dedicated alternators from 2-15kW. Available in 110, 220 and 380V models.
Power- 3 Phase	3 Phase Generator Only units A range of PWM generators powered by dedicated alternators from 2-15kW. Available in 110, 220 and 380V models- Only 3 Phase
Power-Charge	A range of high charge alternators and regulators from 100-250A. Available in 12 and 24V versions
Power-Moto	A range of Battery Management Systems for equalization of charge for dual or multiple batteries
Power-Vert	A range of Inverters with Sine wave or Modified Sinewave outputs
Power -Solar	A Range of Photovoltaic components , Panels & regulators

### WARRANTY:

12 Month replacement warranty on all parts. Any parts which prove defective within 12 months from date of purchase, will be replaced (Ex factory) FREE OF CHARGE

This warranty is subject to the terms and conditions detailed in the operation and installation manual of this product.

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DEALER STAMP

Another product from:



[www.powerelectronics.biz](http://www.powerelectronics.biz)



MULTI-FUNCTION  
RANGE OF PRODUCTS

## URNS YOUR VEHICLE INTO A MOBILE POWER-HOUSE



**WELDER – GENERATOR – BOOST-CHARGER  
– HEAVY DUTY ALTERNATOR**

*“ALL THE POWER YOU NEED, WHEREVER YOU GO”*

# WHAT CAN THE UNIPOWER SYSTEM DO?

## IT'S A WELDER!

The Unipower is a DC welder. Connect the weld cables into the Control Module, select the correct mode, increase the engine RPM slightly and away you go! Weld from your vehicle with safe, powerful DC current. Welds any electrode up to 4mm (6 gauge) including aluminium and stainless steel. Unipower is completely safe for the operator, the vehicle's electrical circuitry and provides sufficient power to weld and operate lights simultaneously. The units are also fitted with an amp adjuster to set weld current whilst retaining optimum striking voltage.

Another benefit of the Unipower is that the type of current produced minimizes losses through the use of longer weld-cables.

## IT'S A GENERATOR!

Just select the correct mode, plug in your 220V equipment, increase the engine RPM slightly and run lights, grinders, drills, pumps, compressors and motors. The unit will retain a fixed frequency (50Hz) irrespective of engine RPM. Overload the unit and it will trip out. It has built-in 'peak' loading capabilities for starting certain types of motors.

## IT'S A BATTERY CHARGER!

Just select the mode to suit the type of system you require (12 or 24 Volts), connect your weld/charge cables onto the flat battery, increase the engine's PRM slightly and start boost charging. After a few minutes, remain connected and then start the vehicle – you will be amazed at the charging power of the Unipower system! No more 'slave' batteries going flat and requiring constant recharging.

## AND...IT'S A HEAVY DUTY ALTERNATOR!

The Unipower alternator stator is hand-wound to optimise output and cooling. If you have equipment on your vehicle drawing high amperage, such as a winch, fridge, inverter or spotlights; then the Unipower system will assist in producing up to 100% more power than an equivalent-sized alternator. This saves on batteries and increases equipment operating time.

# UNIPOWER – FEATURES AND BENEFITS

## SAVES SPACE

The Unipower is small and compact. By employing the Unipower system you are able to optimise your load space in your Pickup or service vehicle.

## SAVES WEIGHT

The Unipower system only weights some 19kg, which is less than 10% of comparable conventional equipment. This weight saving translates into savings on fuel consumption, tyres, brakes and transmission wear.

## COST LESS THAN 25% OF CONVENTIONAL EQUIPMENT

Compare the Unipower costs with equivalent conventional equipment and you will see how the Unipower represents excellent value.

## NO ON-AND-OFF LOADING HASSLES

Unipower is securely installed in your vehicle. Once on site, merely select your mode, plug in your application and get to work. This speeds up productivity and saves on potential damage from constant on-and-off loading,

## EASE OF INSTALLATIONS

By virtue of its compact size, the Unipower can be installed under the bonnet for small hatchbacks and Pick-ups, in the side of Panel Vans or in the back of Service vehicles.

## REQUIRES MINIMAL MAINTENANCE

By virtue of its design, the Unipower requires no 'tuning' or regular maintenance.

## NO PLUG POINTS TO LOOK FOR

The Unipower is a completely independent system. If your engine runs, you have the power to do the job on hand – welding, 220V power or boost battery charging with assist starting. This saves time and increases productivity, gets the equipment working sooner, thus minimising downtime

## NO EXTRA FUEL TO CARRY

The Unipower system operates from the engine of your vehicle so there is no need to carry extra and, possibly, different fuel which takes up valuable space and can constitute a safety hazard .

## YOU NEVER LEAVE IT BEHIND

Because the Unipower is a fixture in the vehicle, it is always there when its needed. This saves expensive trips to and from the workshops or having to hire a unit locally. This improves productivity for service personnel as well as reducing machine downtime in the field.

## SAVES ON THEFT!!

Because the Unipower system is located under the bonnet and is never loose in the back of the pick-up, it doesn't get stolen.

**THE UNIPOWER SYSTEM IS A SOUND INVESTMENT—  
CAN YOU REALLY AFFORD TO BE WITHOUT ONE?**