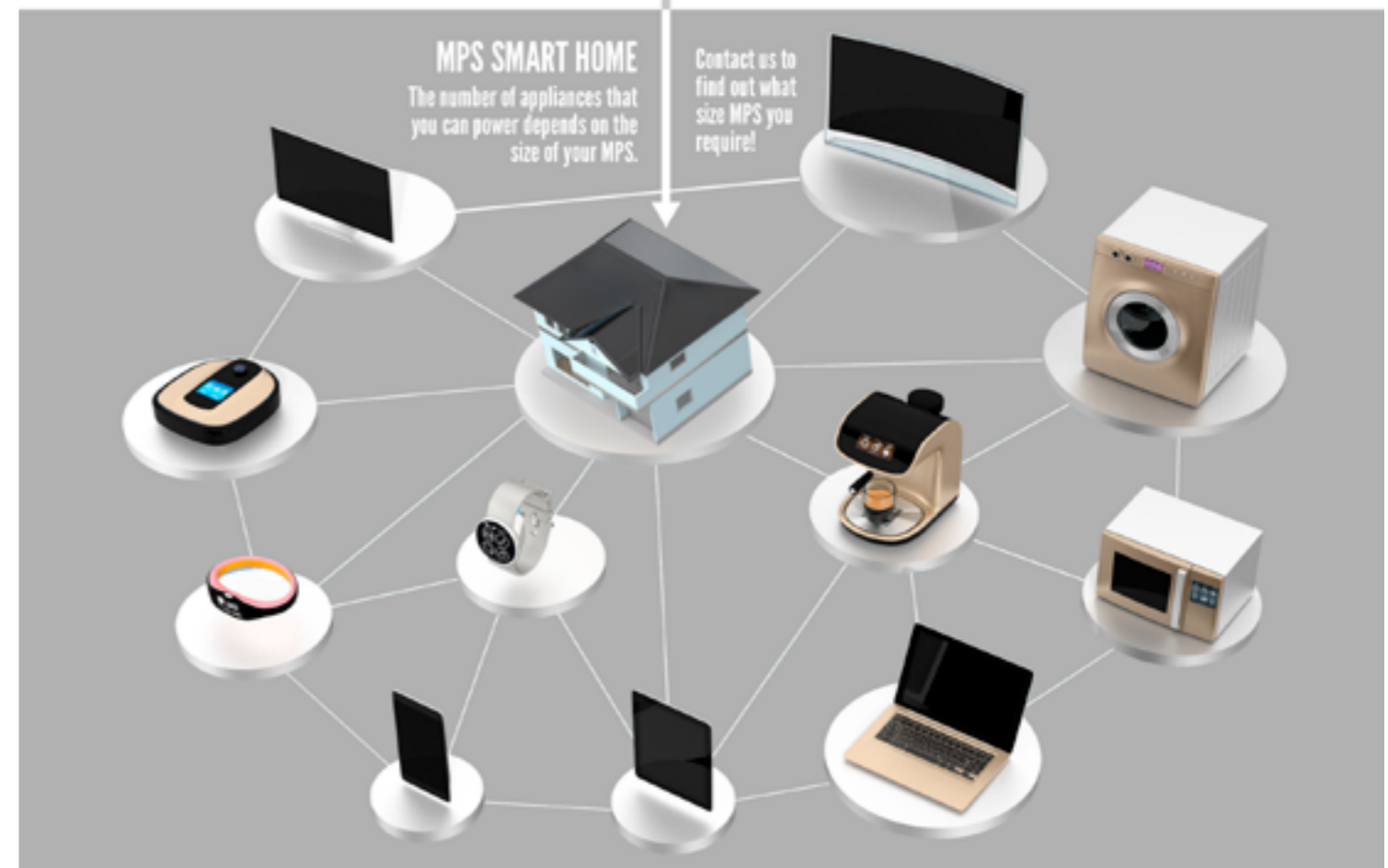
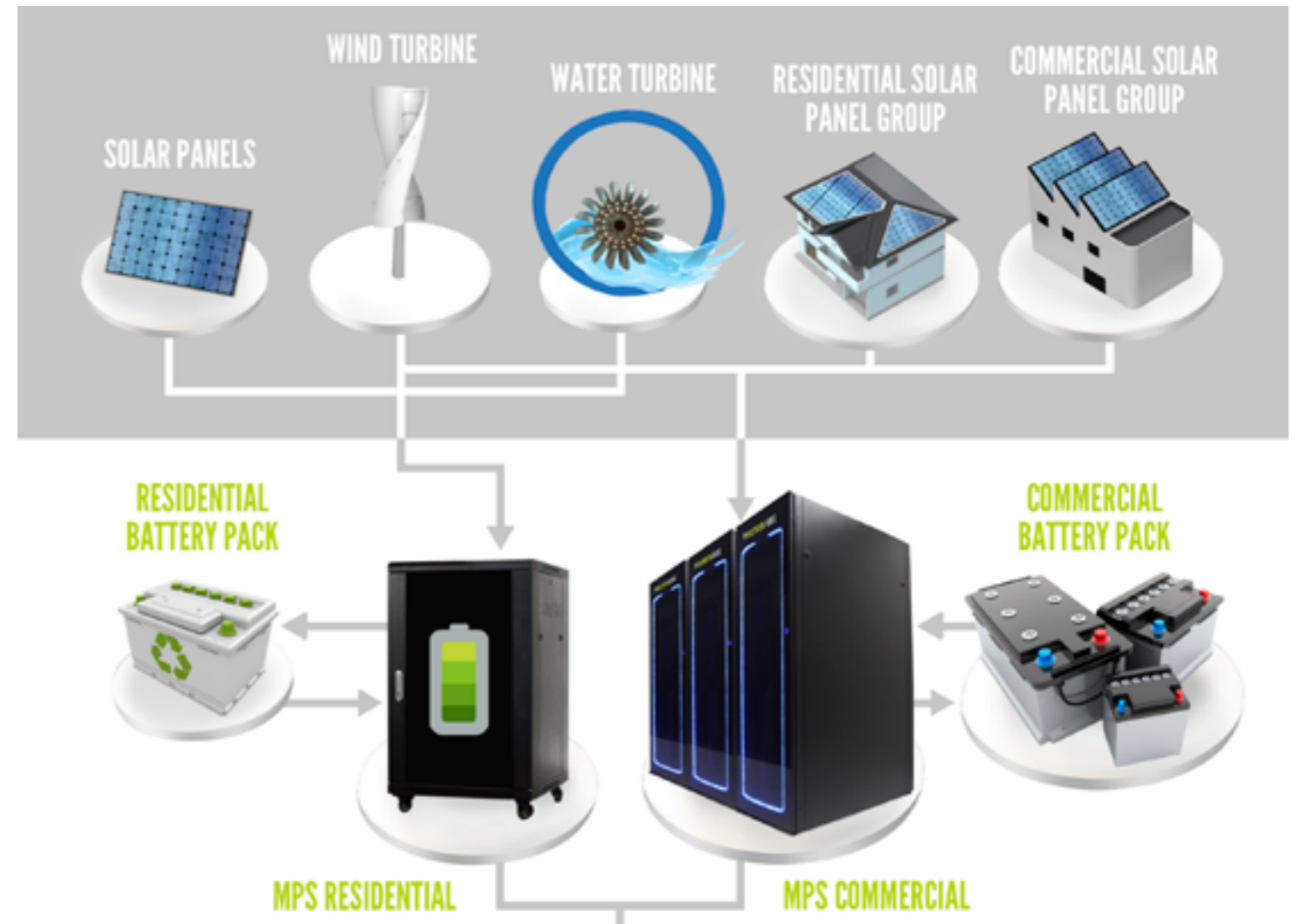




MULTI-INPUT POWER SYSTEM (MPS)



NEXTGEN NRG designs and manufactures the Multi-Input Power System (MPS), a renewable energy generation and storage system which enables users to generate, store and consume their own clean, free energy. The system allows homes and businesses to take their electricity needs entirely off the grid.

The MPS is groundbreaking as it permits up to three simultaneous natural inputs (solar, wind and hydro) with a single inverter – no additional controllers or complicated wiring required. It represents a major breakthrough in controllable unit technology and is a genuine first-in-the-world solution, positioning Australia at the leading edge of green energy innovation.

The Multi-Input Power System comes as a complete kit, with the inverter, solar panels, and batteries included. Sizes range from 2KW residential systems to 320KW commercial systems.

If natural energy stores are low, the MPS can also charge from the grid at night, storing power in off-peak periods to save the user money.

The system achieves incredible efficiency as it has the capability to intelligently control both input and output currents, depending on specific energy needs.

The MPS is completely portable, can be retrofitted to existing solar panels, and has a short return on investment timeframe.





MPS FOR RESIDENTIAL

Single Phase from 2kW Up to 20kW



MPS FOR RESIDENTIAL

Power your home with a single phase Multi-Input Power System (MPS).

The system is available as a complete kit with solar panels, batteries, wind turbines and generators - you choose!

SINGLE PHASE MPS					
Mode	MPS-2KW11	MPS-5KW11	MPS-10KW11	MPS-15KW11	MPS-20KW11
Power	2000w	5000w	10kW	15kW	20kW
Input/output	1 phase +N+G	1 phase +N+G	1 phase +N+G	1 phase +N+G	1 phase +N+G
System voltage (VDC)	48VDC	48VDC	192VDC	192VDC	192VDC
Solar energy input voltage range (VDC)	75-150VDC	75-150VDC	230-320VDC	230-320VDC	230-320VDC
Maximum input current of solar energy (A)	30A	40A*2	60A	60A	150A
Solar power (max)	3KW	6KW	13KW	13KW	33KW
Battery capacity (standby time 2 hours)	200AH	400AH	150AH	250AH	350AH
Wind turbine voltage grade	Pending	Pending	No	No	No
Maximum power of wind turbine	Pending	Pending	No	No	No
Mains input range	165-265VAC	165-265VAC	230±20%	230±20%	230±20%
Input frequency range	45-65Hz	45-65Hz	50Hz±5%	50Hz±5%	50Hz±5%
Mains charging current	20A	36A	10A (Max)	15A (Max)	20A (Max)
Inverter output voltage	240VAC	240VAC	230±2%	230±2%	230±2%
Inverter output frequency	50Hz	50Hz	50Hz±5%	50Hz±5%	50Hz±5%
Inverter output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Mains voltage stabilizing function	No	No	No	No	No
Working mode	AC first / DC first / SAVER	AC first / DC first / SAVER	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output
Transfer time	<5ms	<5ms	≤10ms	≤10ms	≤10ms
Inverter output waveform distortion/THD	<5%	<5%	≤5%	≤5%	≤5%
Transfer efficiency (linear load)	>80%	>80%	≥85%	≥85%	≥85%



MPS FOR COMMERCIAL

Three Phase from 25kW Up to 1MW

THREE PHASE MPS

Power your business with a three phase Multi-Input Power System (MPS).

Standard sizes ranging from 25KW to 320KW, each system can come as a complete kit with solar panels, batteries, wind turbines and generators - you choose!

For large projects we can customise the system up to 1 megawatt (MW).



THREE PHASE MPS				
Mode	MPS-25KW33	MPS-45KW33	MPS-65KW33	MPS-85KW33
Power	25kW	45kW	65kW	85kW
Input/output	3 phase +N+G	3 phase +N+G	3 phase +N+G	3 phase +N+G
System voltage	384VDC	384VDC	384VDC	384VDC
Solar energy input voltage range	450-650VDC	450-650VDC	450-650VDC	450-650 VDC
Maximum input current of solar energy	100A	150A	200A	300A
Solar power (max)	43KW	65KW	96KW	131KW
Battery capacity (standby 2 hours)	200AH	350AH	500AH	700AH
Wind turbine voltage grade	No	No	No	No
Maximum power of wind turbine	No	No	No	No
Mains input range	230/400VAC±20%	230/400VAC±20%	230/400VAC±20%	230/400VAC±20%
Input frequency range	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%
Mains charging current	15A (Max)	20A (Max)	30A (Max)	40A (Max)
Inverter output voltage	230/400VAC±2%	230/400VAC±2%	230/400VAC±2%	230/400VAC±2%
Inverter output frequency	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%
Inverter output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Mains voltage stabilizing function	No	No	No	No
Working mode	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output
Transfer time	≤10ms	≤10ms	≤10ms	≤10ms
Inverter output waveform distortion/THD	≤5%	≤5%	≤5%	≤5%
Transfer efficiency (linear load)	≥88%	≥88%	≥89%	≥90%

THREE PHASE MPS					
Mode	MPS-105KW33	MPS-150KW33	MPS-200KW33	MPS-250KW33	MPS-320KW33
Power	105kW	150kW	200kW	250kW	320kW
Input/output	3 phase +N+G	3 phase +N+G	3 phase +N+G	3 phase +N+G3	3 phase +N+G
System voltage	384VDC	384VDC	384VDC	384VDC	384VDC
Solar energy input voltage range	450-650VDC	450-650VDC	450-650VDC	450-650VDC	450-650VDC
Maximum input current of solar energy	350A	500A	600A	800A	1000A
Solar power (max)	153KW	219KW	262.8KW	350W	438KW
Battery capacity (standby 2 hours)	800AH	1200AH	1600AH	2000AH	2500AH
Wind turbine voltage grade	No	No	No	No	No
Maximum power of wind turbine	No	No	No	No	No
Mains input range	230/400VAC ±20%	230/400VAC ±20%	230/400VAC ±20%	230/400VAC ±20%	230/400VAC ±20%
Input frequency range	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%
Mains charging current	50A (Max)	75A (Max)	100A (Max)	120A (Max)	160A (Max)
Inverter output voltage	230/400VAC ±2%	230/400VAC ±2%	230/400VAC ±2%	230/400VAC ±2%	230/400VAC ±2%
Inverter output frequency	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%	50Hz±5%
Inverter output waveform	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave	Pure sine wave
Mains voltage stabilizing function	No	No	No	No	No
Working mode	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output	Solar inverting output / battery inverting output / grid bypass output
Transfer time	≤10ms	≤10ms	≤10ms	≤10ms	≤10ms
Inverter output waveform distortion/THD	≤5%	≤5%	≤5%	≤5%	≤5%
Transfer efficiency (linear load)	≥90%	≥90%	≥90%	≥90%	≥90%



**NEXTGEN NRG'S
FOUNDER ANTHONY
AUCONE STATES:**

“Most other renewable energy storage systems are standard charge-and-discharge systems that rely on grid power first. The Multi-Input Power System is a true off-the-grid unit that can use grid power or a generator for its back up if needed.

We anticipate strong demand from customers who may or may not already have solar panels and want to zero their power bills, as well as residents and businesses located in places where grid power is difficult, expensive to connect or just simply too expensive.

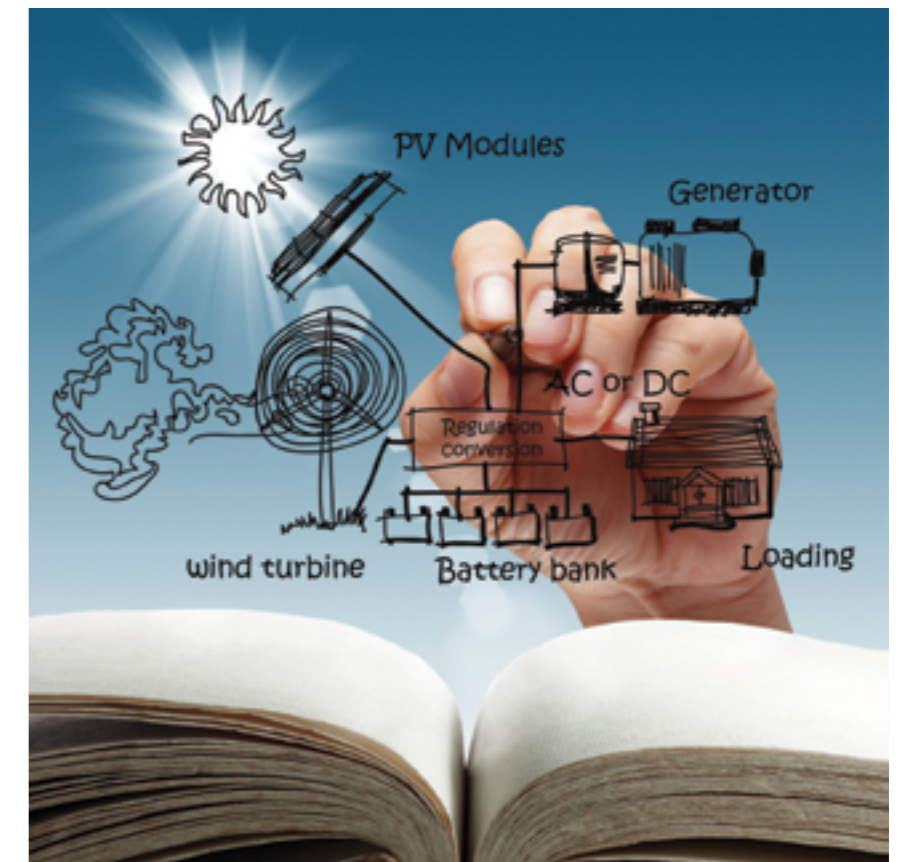
We have created an electronic brain to operate and deliver power to the consumer

and make sure power is delivered clean and without black outs.

The system can use any battery the customer prefers, including all of the new-age power sources on the market now...there are no boundaries.”



The MPS is Australian designed, and has been independently tested by Griffith University.





NEWS COVERAGE

NBN NEWS

NBN Television, Gold Coast news, featured NEXTGEN NRG's compact MPS Briefcase, "an innovation designed to create a greener future", after the company exhibited at Griffith University's Climate Change for Good conference.

As seen on the Channel 9 news coverage, the climate change minister, Steven Miles, and the director of the Griffith University's Climate Change Response program, Brendan Mackey, discussed the MPS Briefcase.

They were impressed with the invention, discussing its benefits, implications for renewable energy and potential uses in the field, such as for aid and disaster relief efforts.



TODAY TONIGHT

Today Tonight Adelaide is an Australian current affairs television program produced by the Seven Network.

Today Tonight Adelaide did a feature story on our company's Multi-Input Power Systems, and their ability to take consumers off-grid, freeing them from the expenses and the footprint associated with traditional, unsustainable power providers.

