

MAKINEX[®]

RENEWABLES

CLEAN, QUIET, RELIABLE POWER SOLUTIONS
FOR CONSTRUCTION, EVENTS AND MAJOR PROJECTS



QUIET
POWER



EMISSION
REDUCTION



UP TO 100% FUEL
REDUCTION



QUICK
DEPLOYMENT



24/7
OPERATION



MAKINEX.COM.AU/RENEWABLES

THE MAKINEX RENEWABLES INNOVATION CENTRE

The Makinex Renewables Innovation Centre is a facility dedicated to advancing renewable energy technologies, with a focus on Hybrid Power Systems (HPS). The Centre serves as a hub for research, development, and increased production capabilities, contributing to a more sustainable and environmentally friendly future in the construction industry.



OUR TEAM

The Makinex Renewables Team, headquartered in Australia and helmed by CEO Rory Kennard, epitomises a dynamic blend of expertise and passion dedicated to advancing sustainable energy solutions. Comprising a talented cadre of Electrical and Mechanical Engineers, Production Managers, and Developers, the team's collective prowess extends across the entire spectrum of renewable energy technologies.



OUR INNOVATION RANGE

POWER SOLUTIONS CLEAN, QUIET, RELIABLE

PORTABLE POWER BOXES / PPB

The PPB is a quiet and clean power solution. Experience noise-free, fuel-free, emissions-free power, extremely suitable for indoor and confined spaces. 5kW/5kWh, 5kW/10kWh, 8kW/15kWh options available



BATTERY ENERGY STORAGE SYSTEMS / BESS

For short term power supply or integration with existing generator and/or solar systems as part of a hybrid solution. 10kW/15kWh, 50kW/100kWh, 100kW/140kWh options available



HYBRID POWER SYSTEMS / HPS

Fully integrated deployable unit for clean, quiet reliable continuous power anywhere. 15kW/20kWh, 20kW/30kWh, 45kW/60kWh and 100kW/140kWh options available



DEPLOYABLE SOLAR ARRAY - CONTAINER TOP, GROUND AND SHELTER

Solar array for mounting on 20ft container, on ground or raised to provide shaded areas. Pairs with any HPS or BESS unit.



PORTABLE POWER BOX (PPB)



NO FUEL



NO EMISSIONS



NO NOISE



PPB 5-5

PPB 5-10



PPB 8-15



SPECS	PPB 5-5	PPB 5-10	PPB 8-15
Power Output	5kW	5kW	8kW
Battery size	5kWh	10kWh	15kWh
Outlets	2 x 15 Amp 230V	2 x 15Amp 230V (20 Amp optional)	3 x 15Amp 230V (20 Amp optional)
Inlet	10Amp - 230V, and 4kW Solar	10Amp - 230V, and 4kW Solar	10Amp - 230V, and 4kW Solar
Charging Time	80% - 2.5 hr, 100% - 3 hrs	80% - 5 hrs, 100% - 6hrs	80% - 6hrs, 100% - 7.5hrs
Peak Surge	10 kW 5 seconds	10 kW 5 seconds	16kW 5 seconds
Dimensions	460mm L x 660mm W x 690mm H	600mm L x 660mm W x 690mm H	972mm L x 516mm W x 931mm H
Weight	90kg	140kg	205kg

BATTERY ENERGY STORAGE SYSTEMS (BESS)



NO FUEL



NO EMISSIONS



NO NOISE



BESS 10-15

BESS 50-100



BESS 100-140



SPECS	BESS 10-15	BESS 50-100	BESS 100-140
Power Output	10kW	50kW	100kW
Battery size	15kWh	100kWh	140kWh
Battery Voltage	48V LFP Battery	500V LFP High Voltage Battery (90kWh useable)	350V LFP High Voltage Battery (126kWh useable)
Inverters	1 x 16kW	1 x 50kW	2 x 50kW
Dimensions	550 W x 1200 L x 1140 H	1120 W x 1760 L x 2000 H	1120 W x 2260 L x 2000 H
Weight	600kg	1800kg	2100kg
3-Phase	N	Y	Y

HYBRID POWER SYSTEM (HPS)


TOW READY


QUICK
DEVELOPMENT


24/7
OPERATION

HPS SINGLE HPS 15/20



HPS DOUBLE HPS 45

HPS CONTAINER HPS 100



SPECS	HPS 15-20	HPS 20-30	HPS 45-60	HPS 100-140
Generator	15kVA	20kVA	45kVA	100kVA
Fuel tank	400ltr	400ltr	500ltr	External
Battery	20kWh	30kWh	60kWh	140kWh
Inverter	15kVA (1P)	20kVA (1P or 3P)	45kVA (3P)	100 kVA (3P)
Solar	4kWp	4kWp	8kWp	5kWp
Add-on solar	Y	Y	Y	Y
Dimensions (Packed)	2500 L x 1520 W x 2530 H	2500 L x 1520 W x 2530 H	2500 L x 1520 W x 2530 H	6100 L x 2440 W x 2590 H
Skids	1 Skid	1 Skid	2 Skid	Container
Dry Weight	2,000kg per skid	2,000kg per skid	2,220kg per skid	7,500kg

DEPLOYABLE SOLAR ARRAY CONTAINER, FIELD AND SHELTER



AC OR DC
COUPLED



FAST
DEPLOYMENT



20FT OR
40FT OPTIONS



CONTAINER TOP CTS5 OVERVIEW

Take advantage of your container roof space on-site. Container Solar modules drop straight onto a standard 20ft container. Output is AC-coupled so it can be wired into anywhere on the AC bus with any HPS or BESS (Battery Energy Storage System).

Model	Add-on Solar	Add-on Solar
CTS 5	5kWp	Y

MODULAR 5kW PV SYSTEM FOR CONTAINER, GROUND OR SHELTER CONFIGURATIONS





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