FUTURE POWER SYSTEMS
SUSTAINABLE RELIABLE ANYWHERE

AUSTRALIAN
DESIGNED & BUILT

HYBRID POWER SYSTEM

FPS20 RANGE

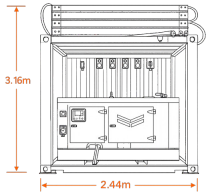
Our range of containerised solar-hybrid power systems are designed for reliable, efficient energy on modern worksites.

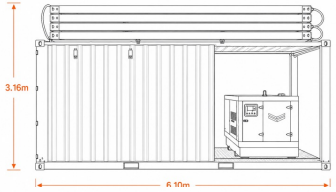
REDUCE DIESEL RELIANCE
BY UP TO 80-100%

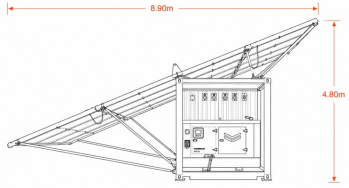
FPS20-10 Hybrid Power System

High performance. Built tough. Engineered for reliability in Australia's most demanding environments.

DIMENSIONS







Folding roof-mounted solar array (10kW) with quick deploy expansion option.

ELECTRICAL SPECIFICATIONS

Output Type	**Single Phase**
Maximum Continuous Output	**22kVA**
System Peak Output	**32.4kVA**
Solar Array Size (Roof Mounted)	**10kW**
Expandable Solar (Quick Deploy)	**Up to 20kW**
Backup Generator Output	**14.4kVA**
Battery Capacity (Usable)	**Up to 50kWh**
Battery Chemistry	**$LiFePO_4$**
Nominal AC Voltage	**240V AC**
AC Frequency	**50Hz**
Inverter Type	**Pure Sine Wave, Transformer Based**

PHYSICAL SPECIFICATIONS

Length	**6.10m**
Width (Packed)	**2.44m**
Height (Packed)	**3.16m**
Width (Deployed)	**8.90m**
Height (Deployed)	**4.80m**
Weight	**5.50t**
Fuel Capacity	**200L**
Noise Level (Generator Running)	**65 dB @ 7m**
Noise Level (Solar/ Battery)	**Silent**

SYSTEM FEATURES

HIGH EFFICIENCY SOLAR ARRAY
Maximizes renewable energy generation throughout the day

INTEGRATED BATTERY STORAGE
Reliable lithium storage for consistent power day and night.

AUTOMATIC BACKUP GENERATION
Seamless switchover to backup power when required.

MULTI-LAYER REDUNDANCY
Designed with multiple fail-safes for mission-critical reliability.

LOW MAINTENANCE
Long service intervals and robust component selection.

RAPID DEPLOYMENT
Operational onsite in under an hour.

OPERATING CONDITIONS

Operating Temperature	**-10℃ - +50℃**
Storage Temperature	**-20℃ - +60℃**
Wind Region (Deployed)	**A0 – A5**

SUSTAINABLE. RELIABLE. BUILT FOR AUSTRALIA.

The FPS20-10 delivers clean, reliable power where you need it most.
Australian designed and built for Australian conditions.

AUSTRALIAN DESIGNED & BUILT

Reliable Hybrid Power in Low-Irradiance Conditions

GIPPSLAND, VICTORIA | **MARCH – MAY 2026**

Gunaikurnai Country

One of our systems has been deployed near Sale Victoria in one of the most challenging regions of Australia for solar irradiance with only **6.1 hours of mean daily sunshine** during the hire period. Even with the challenging conditions the client has seen significant cost savings and environmental benefits!

PERFORMANCE SUMMARY

1.5	HOURS PER DAY average generator run time
24	HOURS PER DAY power availability
95%	FUEL SAVING vs 24-hour diesel generation
3,638L	FUEL SAVED PER MONTH vs 24-hour diesel generation
6.1	HOURS mean daily sunshine

CHALLENGING CONDITIONS

One of Australia's lowest irradiance regions

EQUIPMENT POWERED

- 2 x 12m x 3m Lunch-rooms
- 1 x 12m x 3m Office
- 1 x 40ft Containerised Workshop
- 1 x 20ft Workshop
- 1 x 6m x 3m Toilet Block

FULHAM PROJECT COST COMPARISON

TOTAL COST OF FPS20-10 PER MONTH	
Hire Cost	$3,542
Fuel Cost	$496
TOTAL COST	**$4,038**

TOTAL COST OF DIESEL GENERATOR PER MONTH	
Hire Cost	$2,568
Fuel Cost	$11,641
TOTAL COST	**$14,209**

MONTHLY SAVING WITH FPS20-10

$10,171 per month compared to diesel generation

WHY ARE OUR HIRE COSTS NOT MUCH MORE THAN A SIMILAR SIZE DIESEL GENERATOR?

A diesel generator has a lifespan of 20,000-30,000 hours. When operated in sub-optimal conditions such as low loading this life span is greatly reduced. Hire generators are frequently subjected to low loading, reducing lifespan. 30,000 hours equates to only 178 weeks of 24-hour operation.

The generators within our systems operate on average **0.25 hours per day** when on hire and are programmed to always operate at their optimum load extending life. The warranty on all other equipment in the system is **10 years** regardless of runtime or power consumption. Everything is **interchangeable and replaceable.** We can therefore allow a much longer life span for the systems when setting our prices.

FPS20-20 Hybrid Power System

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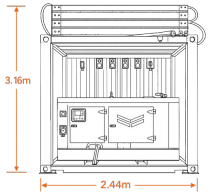
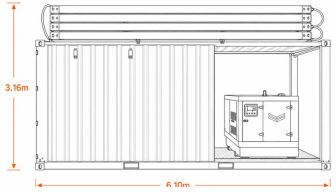
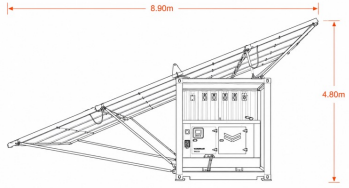
DIMENSIONS







Folding roof mounted solar array (10kW) with quick deploy expansion option.

ELECTRICAL SPECIFICATIONS

Output Type	**Single Phase**
Maximum Continuous Output	**24.4kVA**
System Peak Output	**39.4kVA**
Solar Array Size (Roof Mounted)	**10kW**
Expandable Solar (Quick Deploy)	**Up to 20kW**
Backup Generator Output	**14.4kVA**
Battery Capacity (Usable)	**Up to 50kWh**
Battery Chemistry	**$LiFePO_4$**
Nominal AC Voltage	**240V AC**
AC Frequency	**50Hz**
Inverter Type	**Pure Sine Wave, Transformer Based**

PHYSICAL SPECIFICATIONS

Length	**6.10m**
Width (Packed)	**2.44m**
Height (Packed)	**3.16m**
Width (Deployed)	**8.90m**
Height (Deployed)	**4.80m**
Weight	**5.60t**
Fuel Capacity	**200L**
Noise Level (Generator Running)	**65 dB @ 7m**
Noise Level (Solar/ Battery)	**Silent**

SYSTEM FEATURES

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LOW MAINTENANCE
Long service intervals and robust component selection.

RAPID DEPLOYMENT
Operational onsite in under an hour.

OPERATING CONDITIONS

Operating Temperature	**-10℃ - +50℃**
Storage Temperature	**-20℃ - +60℃**
Wind Region (Deployed)	**A0 – A5**

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AUSTRALIAN DESIGNED & BUILT

Proven Performance in Coastal Conditions

YANKALLIA, SOUTH AUSTRALIA | **8-MONTH PERIOD**

Kaurna Country

Part of the Southern Fleurieu region known for strong coastal winds. The FPS20-20 delivered durable and reliable power throughout the project.

For this South Australian project, the FPS20-20 hybrid power system was employed, which included a fast-deployed 10kW solar array and 21kW battery. This system powered essential facilities at a remote worksite, including a lunchroom, offices and a toilet block.

PROJECT PERFORMANCE SUMMARY

FUEL SAVED

9,418.58

litres

COST SAVINGS

$20,720.88

in fuel expenses

TOTAL POWER CONSUMED

3.7 MWh

POWER FROM RENEWABLE SOURCES

3.6 MWh

(96.1% of total power)

KEY OUTCOMES

96.1% renewable energy usage

DRASTICALLY reduced CO_2 emissions

SILENT operation on solar or battery

LOWER COSTS less fuel, servicing and maintenance

LESS DOWNTIME long maintenance intervals

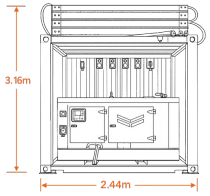
"The FPS20-20 has been a game changer for our remote worksites. Reliable power, no maintenance and significant fuel savings."

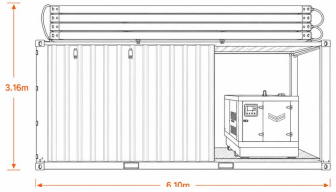
"We never refueled the generator during the project and less than 20L of diesel was needed to refill the generator at the end of the hire."

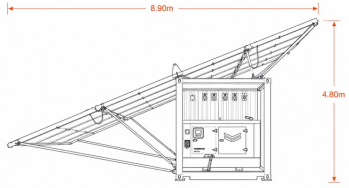
FPS20-60 Hybrid Power System

High performance. Built tough. Engineered for reliability in Australia's most demanding environments.

DIMENSIONS







Folding roof mounted solar array (10kW) with quick deploy expansion option.

ELECTRICAL SPECIFICATIONS

Output Type	**Three Phase**
Maximum Continuous Output	**117kVA**
Inverter Peak Output	**75kVA**
Solar Array Size (Roof Mounted)	**10kW**
Expandable Solar (Quick Deploy)	**Up to 20kW**
Backup Generator Output	**56.5kVA**
Battery Capacity (Usable)	**Up to 50kWh**
Battery Chemistry	**$LiFePO_4$**
Nominal AC Voltage	**240V AC**
AC Frequency	**50Hz**
Inverter Type	**Pure Sine Wave, Transformer Based**

PHYSICAL SPECIFICATIONS

Length	**6.10m**
Width (Packed)	**2.44m**
Height (Packed)	**3.16m**
Width (Deployed)	**8.9m**
Height (Deployed)	**4.8m**
Weight	**7.0t**
Fuel Capacity	**200L**
Noise Level (Generator Running)	**65 dB @ 7m**
Noise Level (Solar/ Battery)	**Silent**

SYSTEM FEATURES

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OPERATING CONDITIONS

Operating Temperature	**-10℃ - +50℃**
Storage Temperature	**-20℃ - +60℃**
Wind Region (Deployed)	**A0 – A5**

SUSTAINABLE. RELIABLE. BUILT FOR AUSTRALIA.

The FPS20-60 delivers clean, reliable power where you need it most.
Australian designed and built for Australian conditions.

AUSTRALIAN DESIGNED & BUILT