

FPS20-60 Hybrid Power System



Length	6.10m
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Width (Packed)	2.44m
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Height (Packed)	3.16m
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Width (Deployed)	8.90m
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Height (Deployed)	4.80m
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A deployable hybrid power system combining solar, battery storage and automatic backup generation for rapid, reliable off-grid power.

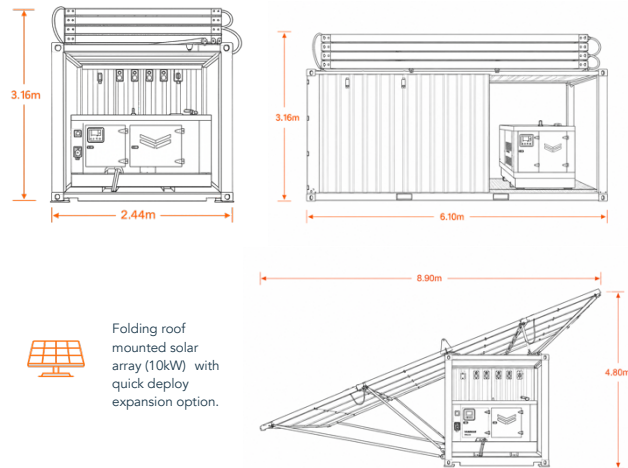
117 kVA	137.5 kVA	10 kW	Up to 20 kW	Up to 50 kWh	56.5 kVA	Three Phase
Maximum Continuous Output	System Peak Output	Roof-Mounted Solar	Expandable Solar	Usable Battery	Backup Generator	Output

TECHNICAL SPECIFICATIONS – FPS20-60

FPS20-60 Hybrid Power System



DIMENSIONS



ELECTRICAL SPECIFICATIONS

Output Type	Three Phase
Maximum Continuous Output	117 kVA
System Peak Output	137.5 kVA
Solar Array Size (Roof Mounted)	10 kW
Expandable Solar (Quick Deploy)	Up to 20 kW
Backup Generator Output	56.5 kVA
Battery Capacity (Usable)	Up to 50 kWh
Battery Chemistry	LiFePO₄
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	7.0t
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°C - +50°C
Storage Temperature	-20°C - +60°C
Wind Region (Deployed)	A0 – A5