

FPS20-60 Hybrid Power System



Length	6.10m
Width (Packed)	2.44m
Height (Packed)	3.16m
Width (Deployed)	8.90m
Height (Deployed)	4.80m

A deployable hybrid power system combining solar, battery storage and automatic backup generation for rapid, reliable off-grid power.

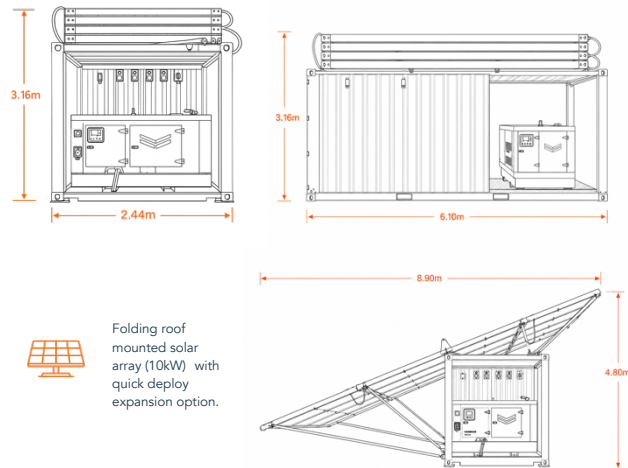
117 kVA Maximum Continuous Output	137.5 kVA System Peak Output	10 kW Roof-Mounted Solar	Up to 20 kW Expandable Solar	Up to 50 kWh Usable Battery	56.5 kVA Backup Generator	Three Phase Output
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TECHNICAL SPECIFICATIONS – FPS20-60

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

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HIGH EFFICIENCY SOLAR ARRAY
 Maximizes renewable energy generation throughout the day.
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INTEGRATED BATTERY STORAGE
 Reliable lithium storage for consistent power day and night.
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AUTOMATIC BACKUP GENERATION
 Seamless switchover to backup power when required.
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MULTI-LAYER REDUNDANCY
 Designed with multiple fail-safes for mission-critical reliability.
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LOW MAINTENANCE
 Long service intervals and robust component selection.
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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