

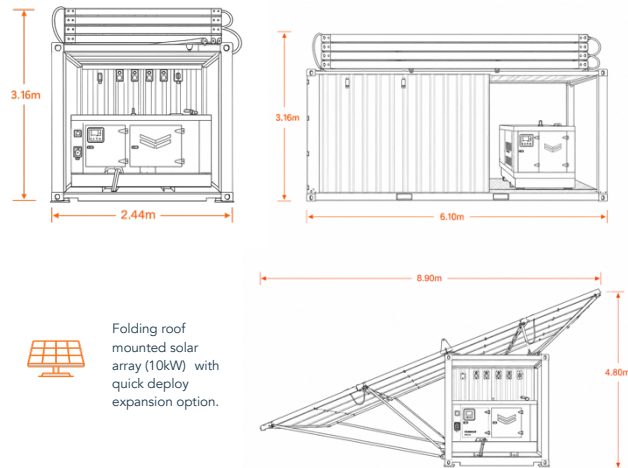


TECHNICAL SPECIFICATIONS – FPS20-20

FPS20-20 Hybrid Power System



DIMENSIONS



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	5.50t
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°C - +50°C
Storage Temperature	-20°C - +60°C
Wind Region (Deployed)	A0 – A5