

TERRA

166kVA



The Terra delivers comprehensive site power for diverse applications—from cranes and job trailers to forward operating bases. It can be seamlessly integrated with solar panels or paired with a fossil fuel-based generator to form a robust hybrid system. Alternatively, the Terra serves as an efficient battery backup solution for buildings, server rooms, signaling systems, and other mission-critical equipment. Engineered for maximum efficiency, these systems are designed to reduce fuel & operational costs by up to 90%.

Key benefits



All-In-One:

Integrated battery system that is both solar & generator compatible. Optional trailer mount available.



Parallel Capability:

Connect up to 3 in parallel for up to 540 kWh.



High Output:

Up to 270 kVA peak output power.



Rapid Deployment:

Units can be easily transported via forklift & crane.



Remote Monitoring & Management:

24/7 via web portal.



AC-Coupled Power System:

Diesel GEN/PV System/Grid.



Up to 90% on operational costs:

When compared against fuel generators.



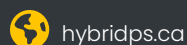
Tech Specs

Power			
Rated Power	166 kVA	Grid Frequency	60 Hz
Max. Rated / Apparent Power	270 kVA	AC Connection	3 W + N
Rated Voltage	480 V* (±15%)	THDI	≤ 3%
Rated Current	375 A	Power Factor	-1 ~ +1
Solar			
Input Voltage	180 to 850V DC	Input Current	36A x 24
PV Power	78 kW x 3		
Battery Data			
Battery Chemistry	LiFePO4	Nominal Charging Current	100 A
Nominal Energy	180 kWh	Nominal Discharging Current	200 A
Working Voltage Range	600V ~ 876V	Max. Discharging Current	300 A
DOD	90%		
Compatible Diesel Generator			
Rated Power	+10 kVA	Rated Frequency	60 Hz
Rated Voltage	480 V*		
General*			
Parallel Capable	Yes (up to 3)	System Noise	<65 dB
EMS	SEMS3000 12 inch LCD Touch Panel	Cooling	Intelligent temperature control
Ingress Rating	IP54 / NEMA 3R	Fire Suppression System	Included
Topology	Transformer	Altitude	5,000 (>3,000 derating)
Working Temperature	-30°C to 55°C [-22°F to 131°F]	Certifications	UL1973 / UL1741 / UL9540A / FCC Part 15 Class B / CUEN/ UN38.3
Storage Temperature	-40°C to 65°C [-40°F to 149°F]	Dimensions	8' W x 10' L x 9.5' H
Relative Humidity	5 ~ 95% (No condensing)	Weight	10,361.72 lbs (4,700 kg)

Notes:

*Custom colour/co-branding available at an additional cost.

Contact us



hybridps.ca



info@hybridps.ca



+1 (866) 549-2743