3D-P
Technology Connected

DATA SHEET

3D-P Remote Power Stations

Product overview

The remote power stations from 3D-P allow you to quickly and cost-effectively deploy power to remote locations.

Each unit is custom configured for your specific load requirements and your geographic location, ensuring you have reliable power without overpaying for an over-engineered system.

Capable of providing power 365 days a year, the remote power station from 3D-P is designed to meet the expected weather conditions for your specific location based on 20 years of NASA meteorological data.

		Single Axle (1 battery box)	Single Axle (2 battery boxes)	Dual Axle (3 battery boxes)	Single Axle (Fuel Cell)	Dual Axle (Fuel Cell)
Electrical	DC Output	12, 24 or 48V	12, 24, or 48V	12, 24, or 48V	12, 24, or 48V	12, 24, or 48V
	AC Output (optional)	110V	110V	110V	110V	110V
	Designed Output	Dependent on Solar Conditions			30 - 40W	80 - 110W
	Solar Panels	Up to 4 x 290 W	Up to 4 x 290 W	Up to 6 x 290 W	Up to 2 x 250W	4 x 250W
	Batteries	Up to 4 x 265 Ah	Up to 8 x 265 Ah	Up to 12 x 265 Ah	2 x 200Ah	4 x 200Ah
	Charge Controller	60A	60A	60A	60A	60A
	Networking	6 Port Switch	6 Port Switch	6 Port Switch	6 Port Switch	6 Port Switch
	Dimensions (towing)	6'W x 9'H x 12'L	6'W x 9'H x 12'L	6'W x 10.5'H x 12'L	6'W x 9'H x 12'L	6'W x 10.5'H x 12'L
Physical	Dimensions (deployed)	12'W x 25'H x 12'L	12'W x 25'H x 12'L	12'W x 26'H x15'L	12'W x 25'H x 12'L	12'W x 26'H x 15'L
	Mast height	25' dual crank	25' dual crank	25' dual crank	25' dual crank	25' dual crank
	Coupler (standard)	2" Ball	2" Ball	2" Ball	2" Ball	2" Ball
	Coupler (options)	Ring	Ring	Ring	Ring	Ring
	Wheel Diameter	15"	15"	15"	15"	15"
	Weight (fully loaded)	1500 lbs.	1900 lbs.	3700 lbs.	1500 lbs.	2500 lbs.
	Axle Capacity	3500 lbs.	3500 lbs.	7000 lbs.	3500 lbs.	7000 lbs.
	Tongue Weight	150 lbs.	190 lbs.	370 lbs.	150 lbs.	150 lbs.
	Operating Temp.	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +50°C	-40°C to +50°C

MINING TOUGH

Remote power stations are built on a galvanized steel frame with high clearance 15” wheels. All battery and electronics enclosures are NEMA 4 rated to withstand harsh environments.

REMOTE MONITORING

By networking the power stations’ charge controller, the system status can be monitored remotely. Operating data, alarms and data logging can be easily viewed via a Web interface.

ADDITIONAL OPTIONS

- Coiled power cable
- 24 to 12V DC/DC converter
- 125W DC to AC inverter
- 24 to 48V DC/DC converter
- Ring coupler
- 30ft mast height

Reliable Power in the Field

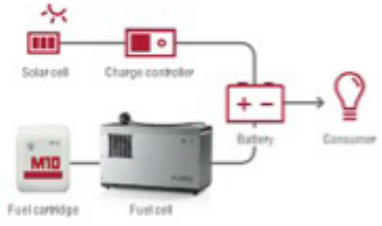
Built Mining tough

With the 3D-P power station, you can expect:

- Custom engineered and fit-for-purpose, with the size of battery back-up and solar bank designed specifically for the mine location
- Galvanized heavy-duty finish for durability
- Articulating mast for simple and safe maintenance and handling
- Trailer designed from the ground up for solar applications, allowing full rotate and tilt of the panels while preventing any shadowing, ensuring 100% potential output
- Dual winch mast design allowing an easy and safe deployment while guaranteeing stability of the mast
- 25ft high mast for maximal transmission

Optional Fuel Cell Power Station

The 3D-P Fuel Cell Power Station combines a solar power system with a fuel cell generator, ensuring continuous power year round in the most rigorous mining environments.



Based on the DMFC (Direct Methanol Fuel Cell) technology, the fuel cell generator acts as hybrid energy supply or as back-up when the solar system is unable to deliver enough power. A charge controller constantly monitors the battery charge level. When required, the fuel cell generator automatically switches on and compensates any shortfalls from the solar panels.

To learn more, call 3D-P at **+ 1.403.203.3018**
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