

FIG. 1 — FRONT VIEW POWER OASIS CORE

POWER OASIS™ CORE

Portable 48 V / 100 Ah LiFePO4 battery power system with ~3,000 VA continuous, 5,000 W surge AC output, DC and USB outlets, and a connected touchscreen.

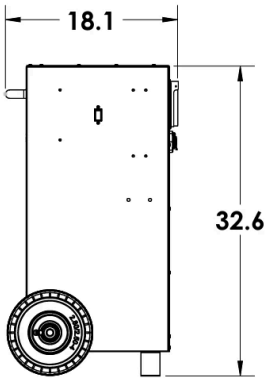
- **4800 Wh of LiFePO4 chemistry battery power**
- **~3,000 VA continuous, 5,000 W surge** across 4× NEMA 120 V outlets, plus 12 V DC and USB-A / USB-C
- **Stay connected** with a touchscreen display: Bluetooth, Wi-Fi, optional 5G*
- Built-in battery charger with power cord
- Cloud port - monitor your battery or fleet of batteries remotely
- Durable wheels & handle - easy to move and reposition
- Internal fusing and breakers - multiple layers of protection

48	100	4800	~3000	4×	200
V	Ah	Wh	VA	NEMA	W
SYSTEM VOLTAGE	CAPACITY	STORED ENERGY	AC CONTINUOUS	120V AC OUTLETS	DC OUTPUT

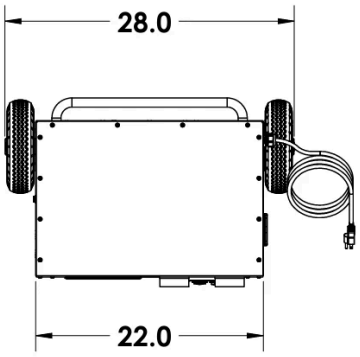
APPLICATIONS

Application	Details
Job-site & field power	Runs 120 V AC equipment from four NEMA outlets
Backup power	Stored 4800 Wh for outages; recharges from a 120 V power cable included
Mobile & off-grid	12 V DC aux charger plus USB-A and USB-C for accessories and devices

IMAGES



SIDE VIEW (DIMENSIONS IN INCHES)



TOP VIEW (DIMENSIONS IN INCHES)

* Future certification or in development and testing.

BATTERY & ELECTRICAL

Nominal voltage	**48 V**	**Cell type**	**LiFePO4**
Capacity	**100 Ah**	**Energy**	**4800 Wh**
Charge voltage	**54.75 V**	**Float voltage**	**52.0 V**
Operating voltage range	**42.0 - 54.75 V**	**Low-voltage cut-off**	**42.0 V**

THERMAL & ENVIRONMENTAL

Operating temperature	**14–104 °F** -10–40 °C	**Charge temperature range**	**14-104 °F*** -10-40 °C
Internal heater	**See Trifecta Engineering**	**Ingress protection**	**IP66*** Testing in progress

MECHANICAL

Enclosure material	**5052-H32 aluminum**	**Dimensions (L × W × H)**	**18.1in x 22.0in x 32.6in**
Weight	**~180 lbs.**	**Finish**	**Powdercoat**

BMS, DISPLAY & CONNECTIVITY

Display	**Touchscreen**	**Cellular**	**5G*** Planned optional integration
Bluetooth	**Supported**	**Wi-Fi**	**Supported**
Remote monitoring app	**iOS & Android**	**Expansion / series connection**	**See Trifecta Engineering**

SHIPPING & CERTIFICATIONS

Standard / Area	Scope
UN 38.3*	Lithium battery transport test
UL 1973*	Battery assembly
UL 1741*	Inverter assembly

* Future certification or in development and testing.