

FLEXTOWER

All-in-one whole home energy storage solution

- Inverter, charge controller, LCD control panel, battery and remote monitoring app integrated in one unit
- Supports off-grid, back-up, zero export, time-of-use, demand response, peak shaving, and virtual power plant
- Flexible & easy installation with IP54 indoor & outdoor installation
- AC or DC couple to existing or new PV arrays
- Rapid shutdown button and APSmart transmitter included
- Side knockouts sized for solar, grid, and generator wiring saves time on inverter wiring
- 200A grid pass-through eliminates backup panel requirement
- Includes battery cables with Anderson connectors and combiner for additional savings
- Compatible with din-rail heaters to maximize lifecycles in cold climates



General Data

FlexTower

Operation Temperature Range	32°F ~ 114°F (0°C ~ 45°C)
IP Rating	IP54
Enclosure Weight	265lbs (120kg)
Dimension (W x H x D)	29.2in x 83.78in x 17.8in (742mm x 2128mm x 452mm)
Cooling	Fan Cooling
Warranty	3 years
Communication	CAN, Modbus, RS485, WIFI
Certificates	UL 1741, UL 1973, UL 9540, UL 9540 (A)
Side Knockouts	Left 2"(3), 1.5"(1), 1.25"(1), 1"(1) / Right 2"(3), 1.5"(1), 1"(1)

On Grid AC Output

Envy True 12kW

Rate AC Output Power to Grid (On-Grid)	12000W (50A@240V)
Rate AC Output Power to Load (Off-Grid)	12000W (50A@240V)
Grid Bypass	48000 (200A@240V)
Surge AC Power for 10 sec in Backup Mode	16,000W
AC Output Voltage	120/240Vac (split phase), 208Vac (2/3 phase)
AC Output Frequency	50/60 Hz
Inverter CEC Efficiency	96.5%
Response Time (Grid-tie to Off-Grid)	<20ms

PV Output

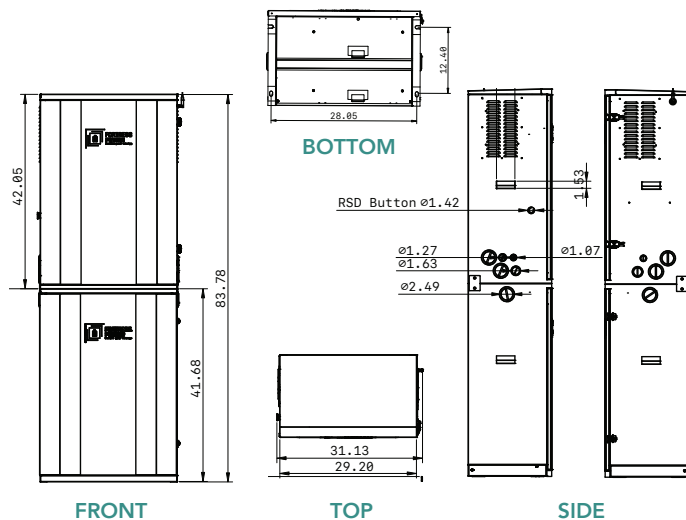
Envy True 12kW

PV Input Power	18000W
PV Voltage Range	100-600V
MPPT Voltage Range	150-425V
Number of MPPT	3
Max Solar String per MPPT	2/1/1
Max DC Current per MPPT	31/19/19A
Max AC coupled Input (Micro/String Inverters)	21600W

Battery (48V)

eFlex/eFlex MAX 5.4 kWh

Battery Cell Type	Tier 1 Automotive Prismatic Lithium Iron Phosphate, 8,000+ cycle life
Battery Capacity Range	16.2 - 151.2 kWh
Scalable Capacity Range	(up to 28 eFlex/eFlex MAX units)
Voltage Range	40 - 60V
Max Charging/Discharging Rate	250A



DURARACK

for Fortress eFlex/eFlex MAX lithium batteries

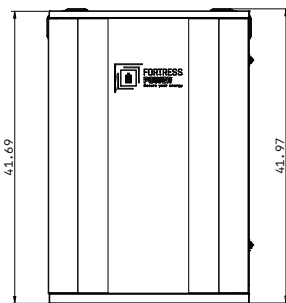
Expand your energy storage with the new Fortress Power DuraRack! This enclosure stores up to 4 eFlex or eFlex MAX 5.4kWh batteries. The DuraRack paired with multiple eFlex or eFlex MAX batteries can build a 48V UPS server rack or provide storage capacity to home solar arrays. The DuraRack includes integrated busbars, and a DIN rail heater mount. This enclosure can be free-standing or pad mounted and is safe for indoor and outdoor installations.

- IP65 water and dust resistant for both indoor and outdoor install
- Includes intergrated Busbars and battery cables with Anderton connectors for easy stacking
- Easy to add din rail thermostat for cold climates passive cooling vent for warm climates
- Expandable up to 7 units (28 eFlex batteries)

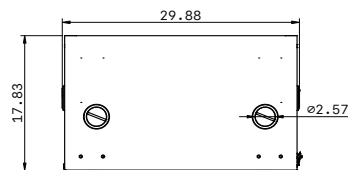


General Data

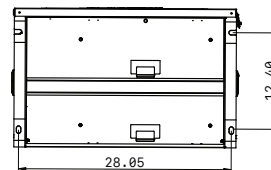
Enclosure Material	Carbon Steel
Enclosure Protection	IP54 water and dust proven (outdoor)
Enclosure Color	White with Black
Dimension (W x H x D)	29.88 x 41.97 x 17.83 in (759mm x 1066 x 453 mm)
Weight	153.2lbs (69.6kg)
Maximum Batteries Per Unit	4 eFlex or 4 eFlex MAX
Storage Capacity Range	5.4kWh - 21.6kWh per unit
Max. Sotrage Capacity	151.2 kWh (7 units in parallel)
Knockout Size	Left: 2in (1), Right: 2in (1)
Positive and Negative Battery Busbars	2 x 4 points; M8 (5/16) Terminal Rings
Positive and Negative Busbars to Inverter	2 points; M10 (3/8) Terminal Rings
Battery Cables	4 sets of "+" and "-" #4 battery cables with Anderson connectors
Terminal Torque	7.0 - 7.7 Nm (5.1 - 5.7 ft-lb)
Warranty	3 years
Certifications	UL9540, UL9540A, UL1973, CEC, SGIP



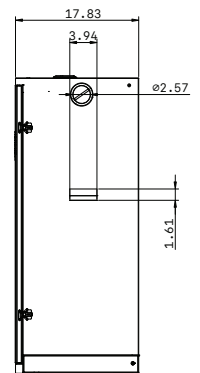
Front



Top



Bottom



Side