

Power

Tempest Te12

Power Enclosure



- 667 Amp, 48VDC power system
- Powers and supports cabinetized wireless base stations
- Service entrance rated for commercial power demarcation with utility/generator transfer switch
- 200 Amp AC panel with optional TVSS
- Environmentally controlled compartments (HVAC and AC fan cooling options available)
- Five string, 48VDC battery capacity
- Innovative “swing gate” mounting system provides 22RU mounting space for customer equipment

The Tempest family of outdoor enclosures represents the best choice in providing power density, battery run time, customer useable rack space, AC load centers, and DC distribution. The Tempest Te12 Power Enclosure is a fully integrated enclosure designed to power and support wireless base stations.

The power system can provide up to 32kW utilizing Pathfinder® 4kW rectifiers. The system can be configured with the minimal number of rectifiers for initial requirements and can be expanded by simply plugging in rectifiers. The SM02 controller provides a single point interface for setting up the power system and monitoring functions. Distribution can be configured to specific requirements. Optional DC to DC converters can provide 24VDC power if required.

The durable and secure design combines DC power; AC power; back-up battery; and space for microwave, fiber, and E911 customer equipment into one environmentally controlled enclosure resulting in reduced lease space and installation costs.

SPECIFICATIONS

Electrical

Input Voltage:	200A 120/240 single phase
Output Voltage:	42 to 60VDC
Power:	32kW max., e/w 8 Pathfinder 4kW rectifiers
Recommended Feeder Breaker:	30 (240VAC), single phase (per rectifier module)

Mechanical

Dimensions inches:	77 H x 52 W x 30 D
Weight:	1814 kg (4000 lb.) fully equipped system (does not include customer Telco equipment)
Enclosure:	1.095 (14 gauge) galvanized steel
Rack:	Seismic Zone 4
Mounting, Top:	Standard 19" relay swing rack
Mounting, Bottom:	Standard 23" relay rack

Environmental

Outdoor Temperature:	-40°C to +46°C (-40°F to 115°F)
Inside Operating Temperature: (Power Electronics)	-40°C to +65°C (-40°F to + 149°F)
Relative Humidity:	5% to 95% non-condensing

Related Components

RECTIFIER MODULE	24kW total output 8x Pathfinder 24-3kW Modular 24kW Max (see datasheet #048-537-10) 8x Pathfinder 24-4kW Modular 32kW Max (see datasheet #048-620-10)
CONVERTERS	CSM11 (see datasheet #048-582-10) Other options available, consult factory
SUPERVISORY	SM02 (see datasheet #048-525-10)
DISTRIBUTION Batteries:	Max 5 strings (48VDC)
Distribution DC:	12 position bullet style 800A LVD
Distribution AC:	32 circuit 120/240VAC split phase
Load Battery:	Industrial GJ battery breaker disconnects
HEATING COOLING OPTION	Fan cooling Air conditioning

Other Info.

HYDROGEN EVACUATION	Passive system
SECURITY	Intrusion sensors for doors Three point latch locking system Single point padlock hole Graffiti resistant paint
EMERGENCY POWER	Generator connector 200A transfer switch

Standards

RECTIFIER CSA:	C22.2 N° 60950-00 (NRTL/C)
UL:	Std. N° 60950-2000 (under NRTL)
FCC:	Part 15, Class A
ANSI/IEEE:	C62.41 Category B3
CABINET	NEMA 3R
SERVICE ENTRANCE AC PANEL	UL 67 NEMA 3R (UL 50) TVSS 65 kAIC (UL 1449)



For more information and detailed drawings, visit argusdcpower.com

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