

Power

Tempest Te10

Power Enclosure



- Available in 24VDC, 1000 Amp or 48VDC, 500 Amp outputs
- Designed for outdoor wireless market requirements
- Optional 24VDC to 48VDC converters
- Air conditioned battery compartment
- Environmentally controlled equipment compartment
- NEMA 4X equipment compartment
- NEMA 3R battery compartment

An innovative environmentally controlled power system. Tempest outdoor enclosures are required by communication network providers to house cellular base station power equipment, often in remote environmentally hostile locations. Inside its rugged, graffiti-resistant exterior is sensitive monitoring equipment and climate regulating technology that boasts high-capacity surge protection units, and SM04 intelligent monitoring that provides crucial remote and local control for outdoor installations.

Equipment compartment cooling can be achieved with either 1800W heat exchangers or an optional air conditioning system. Battery life can be further increased with a programmable 1600 BTU air conditioner option that maintains optimum temperatures inside the battery compartment.

The Tempest family represents the best combination of durability, equipment protection, and security available today and is the best-controlled environment for your DC power solution.

SPECIFICATIONS

Electrical

SYSTEM ELECTRICAL

Input voltage: 120/240VAC, single phase, 60Hz

SURGE PROTECTION

Meets or exceeds ANSI/IEEE C62.41-1991 and UL 1449, 2nd Ed.

CONNECTIONS

AC Input: Box type terminal block 2.5 to 10mm² (#14 to 8 AWG)

Distribution Breakers: 1/4" holes on 5/8" centers
Ground: 1/4" holes on 5/8" centers

Battery: 3/8" holes on 1" centers (2 sets)

Alarms/Control Terminal Block: 0.55 to 1.5mm² (#20 to 16 AWG)

SM Communication: RS-232 built-in, DB9-M

Output: Bus adapters with 3/8" studs on 1" centers

Alarms/control: Terminal block 0.55 to 1.5mm² (#26 to 14 AWG)

Mechanical

Dimensions inches: 71 H x 34 W x 34 D

Weight: 700 lb. (without batteries)

Environmental

Temperature: -40°C to +46°C (-40°F to 115°F)

Relative Humidity: 5% to 95% non-condensing

AC Powered: 1600 BTU, 120V air-conditioner (optional) Battery heater pads (optional)

ENVIRONMENTAL CONT'D

DC Powered: Max. 2 1800W 24VDC heat exchanger with optional controller for 400A system

Dual 1800W heat exchangers for 800A system

DC fans with dual thermal control

Related Components

RECTIFIER MODULE

Pathfinder® 48V-3kW rectifiers (see datasheet #048-537-10)

24kW total output
8 x Pathfinder 24V-3kW Modular, hot swappable Front access

CONVERTERS (optional)

3.7kW total output
3 x CSM11 Modular, hot swappable Front access

SUPERVISORY

Alarms/control parameters are user-programmable through built-in system controller. See SMO4 data sheet #048-551-10 for detailed information.

DISTRIBUTION

Batteries: Max. 5 string (24VDC.)

Distribution DC: 20-position breaker panel Plug-in type 800A LVLD (other options available)

Distribution AC: 100A 8 circuit 120/240VAC split phase load centers 2-position 120VAC convenience outlet

LOAD/BATTERY

Disconnect Panel: 800A rating

Standards

Enclosure ratings: Equipment cabinet NEMA 4X Battery cabinet NEMA 3R IEC enclosure designation IP56

Siesmic ratings: Building Zone 4 rated Less than 6 foot height

Telcordia: Passes GR-487

Other Info.

HYDROGEN EVACUATION

Passive system std Active System (optional)

SECURITY

2 x intrusion sensors for doors
Three point latch locking system
Single point padlock hole
Graffiti resistant paint



Please note: Argus reserves the right to make changes to the products and information contained in this document without notice. Please contact your sales representative for the most up-to-date product specifications.

For more information and detailed drawings, visit argusdcpower.com

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