

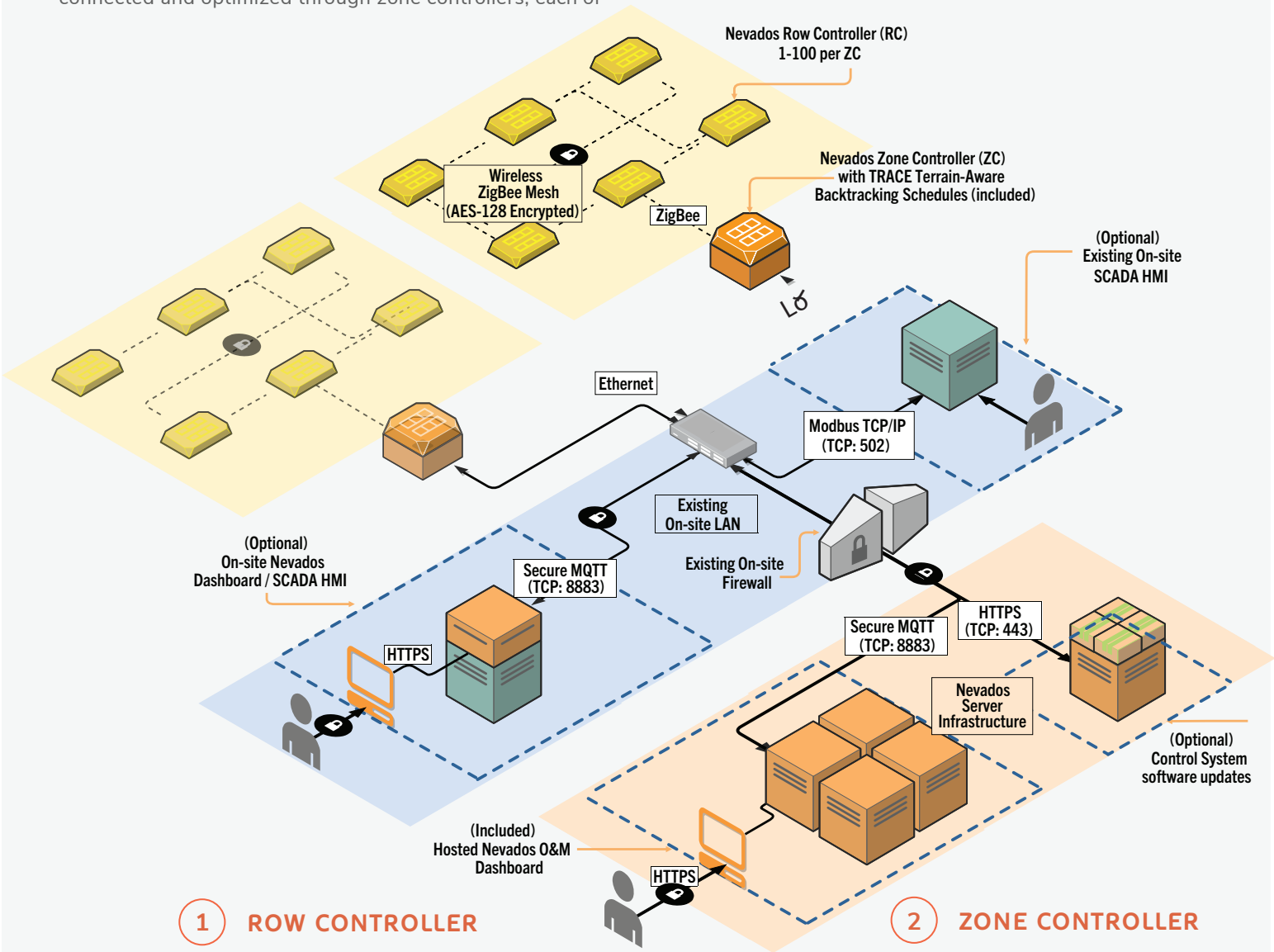


SOLAR TRACKER CONTROLS

FOR ALL TERRAIN ENVIRONMENTS

The Nevados control system is designed to optimize power generation from your project site and account for variable shadow fall on flat, sloped, and rolling terrain. Each row is monitored by a single row controller. Row controllers are connected and optimized through zone controllers, each of

which can manage up to 100 row controllers. The system provides detailed operational information from each row, which can be utilized to increase row-to-row efficiency and maximize output.



- 1 ROW CONTROLLER**
- Configurable for most environments
 - IP65

- 2 ZONE CONTROLLER**
- O&M reporting
 - IP65

| COMMUNICATIONS | ROW CONTROLLER | ZONE CONTROLLER |
|------------------|--|--|
| WIRELESS | <ul style="list-style-type: none"> Zigbee | <ul style="list-style-type: none"> Zigbee communication to RC |
| WIRED | <ul style="list-style-type: none"> 8P8C or SFP between ZC and site network Optional RS 485 communication link | <ul style="list-style-type: none"> Manage with SCADA over Modbus Reporting to cloud-hosted monitoring & control dashboard Cat5/6 between ZC and SCADA |
| ENCLOSURE | | |
| SIZE (LxWxD) | <ul style="list-style-type: none"> 10" x 12" x 3.5" – max external dimension of enclosure (not including mounting tabs) | <ul style="list-style-type: none"> 12" x 10" x 6" |
| DESIGN | <ul style="list-style-type: none"> IP65, Plastic (injection molded), Membrane vent | <ul style="list-style-type: none"> IP65, Polycarbonate |
| SERVICE/ACCESS | <ul style="list-style-type: none"> Access battery field serviceable | <ul style="list-style-type: none"> Access for configuration |
| MOUNTING | <ul style="list-style-type: none"> Direct mount RC to torque tube | <ul style="list-style-type: none"> Mounted near or on inverter skid, or other ethernet and power access point. |
| POWER | <ul style="list-style-type: none"> Auxiliary solar module, 40+W and 30V, approx 645mm x 345mm x 25mm | <ul style="list-style-type: none"> 120V, 277V AC wired to enclosure |
| BATTERY | <ul style="list-style-type: none"> 150+Wh LiFePO4 battery with optional cold weather package | |
| INPUTS | <ul style="list-style-type: none"> RS485 port for string current sensor E-Stop Built-in keypad with status LEDs Auxiliary module power cables | <ul style="list-style-type: none"> 120V, 277V AC Ethernet or fiber (SFP) |
| OUTPUTS | <ul style="list-style-type: none"> Motor Cable Antenna | <ul style="list-style-type: none"> Antenna |
| BOARD COMPONENTS | <ul style="list-style-type: none"> Zigbee radio Motor over-current monitoring and protection Accelerometer Cell-level battery monitoring and charge management | |