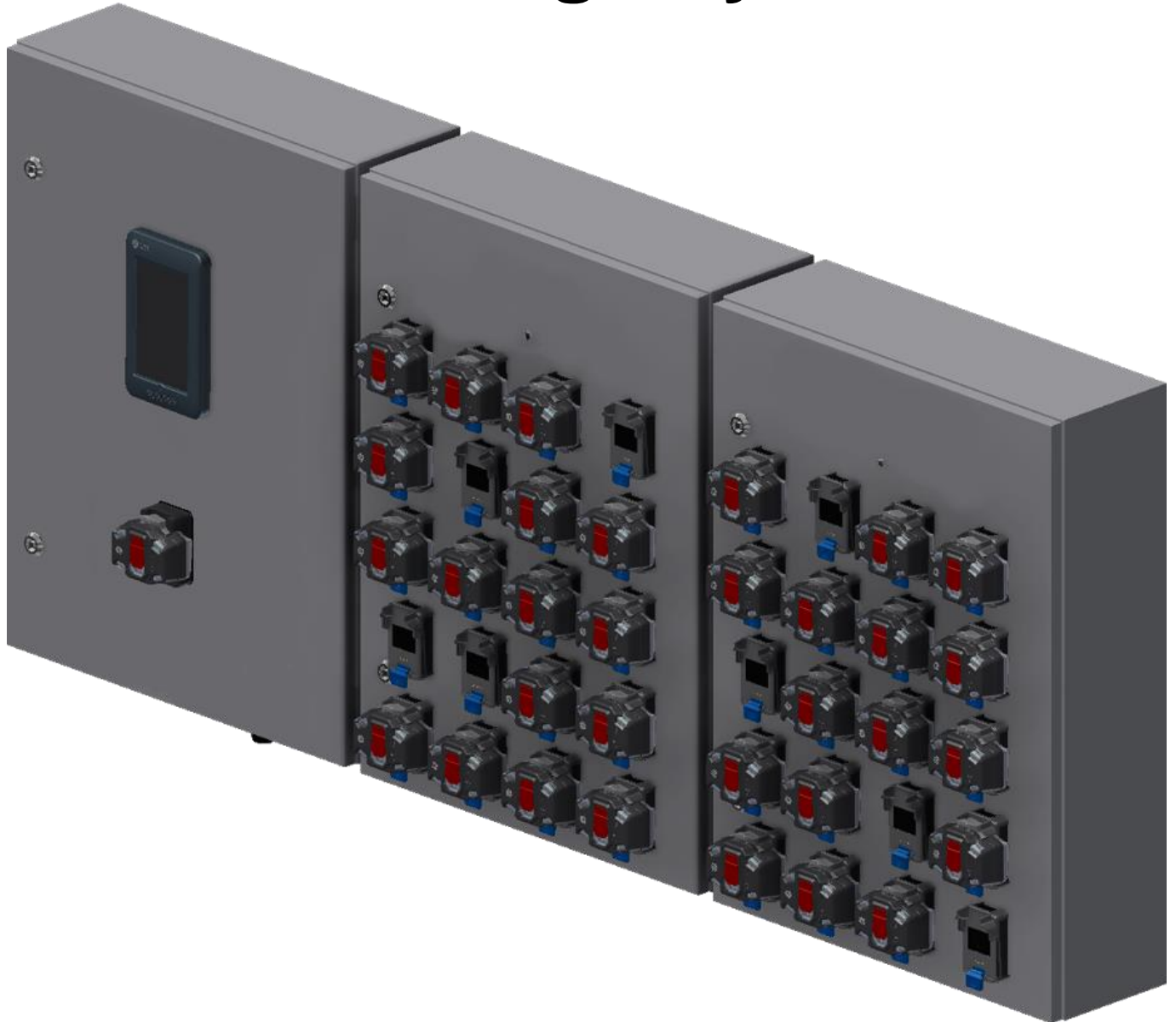


# Personnel Protection Unit Test/Charge Systems



*Wall-mounted charging bays with a test station that monitors the charging positions and status of all personnel protection units (PPUs). The test station also allows individual testing of each PPU before use. Charger available as lockable (16 positions) or standard (20 positions).*

### Test Station

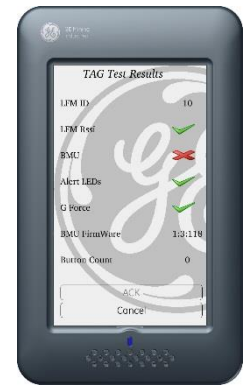
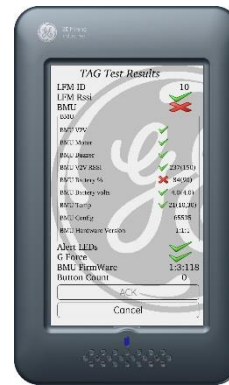
#### Charger Master Mode

- Provides a link between PPUUs and CASWEB or other mine IT systems
- Fitted with a networked IVU (WiFi/Cellular or Ethernet) to
  - Upload PPU data logs
  - Download configurations and firmware
  - Monitor charger status



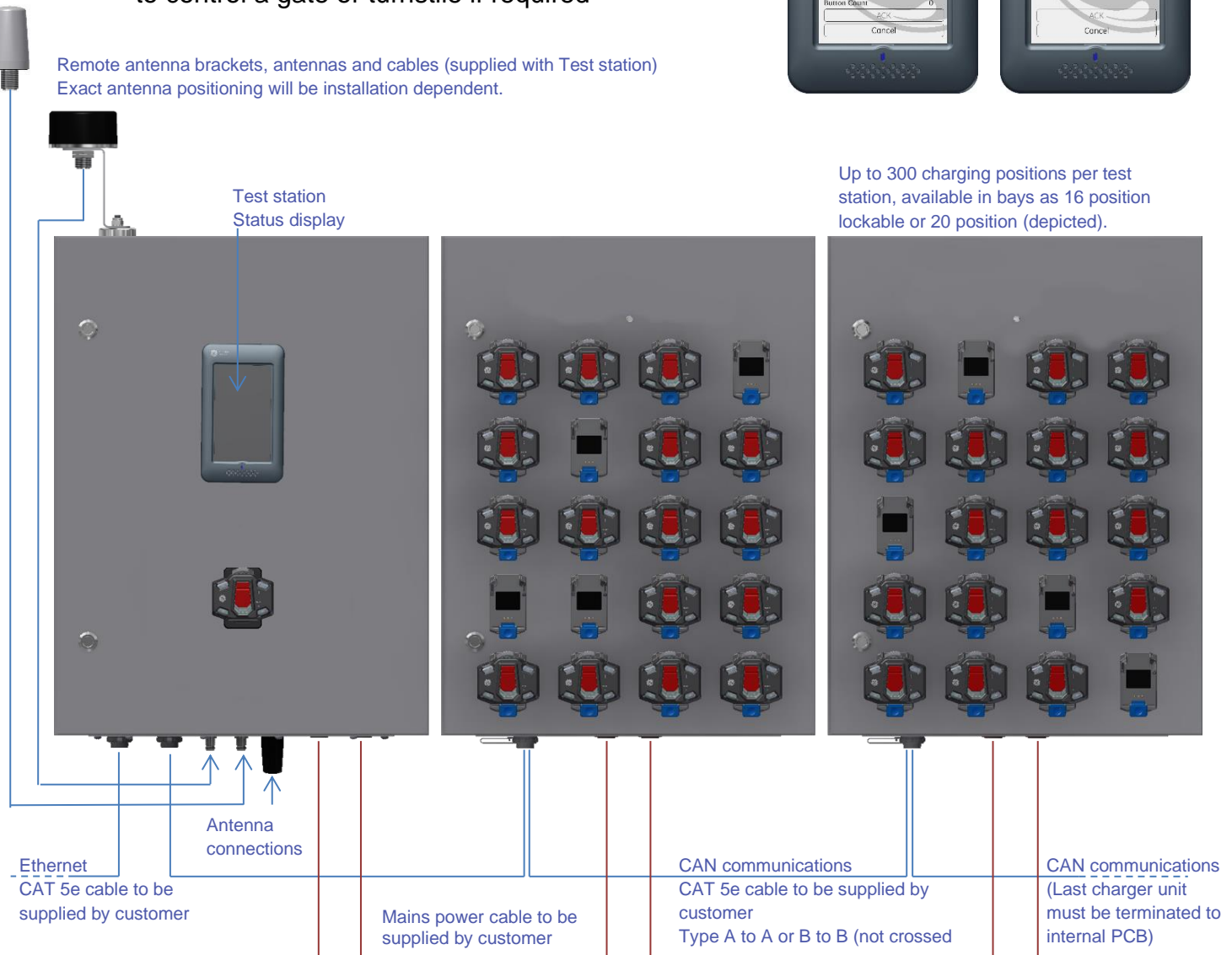
#### Test Mode

- When a PPU is removed and placed in the test position, the Test Station executes a test including the following functions:
  - Vibration motor, buzzer and LED functionality
  - Magnetic receiver signal strength
  - Battery status
  - G-force sensors
  - V2V radio signal strength
- A successful PPU test can provide an output to control a gate or turnstile if required



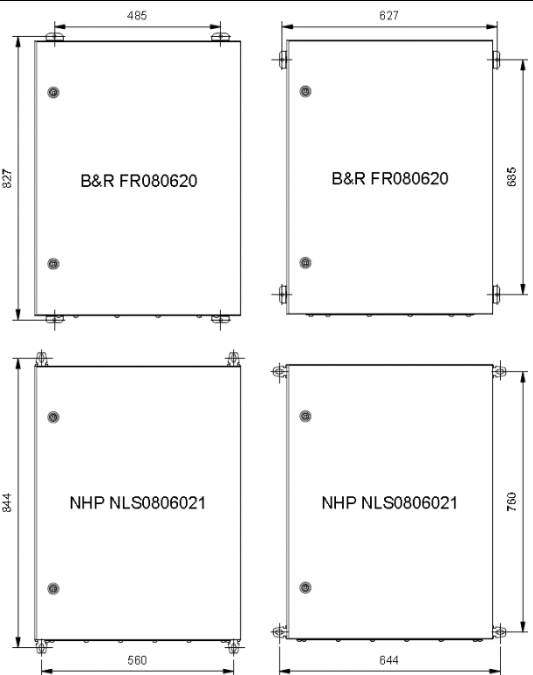
Remote antenna brackets, antennas and cables (supplied with Test station)  
 Exact antenna positioning will be installation dependent.

Up to 300 charging positions per test station, available in bays as 16 position lockable or 20 position (depicted).



**! WARNING** Must be installed by a qualified electrician in accordance with local regulations.

**Specifications**

Spec/Product	TEST STATION	CHARGER
Part Number(s)	PROD1082-1 (region 1) PROD1082-2 (region 2)	PROD1007-X16 (16 positions, lockable) PROD1007-X20 (20 positions)
Input Power	85-264VAC; 47-63Hz; 1.6A/115VAC; 0.8A/230VAC; COLD START 45A/230VAC	
Internal Power supply (IPS) safety standards	UL 62368-1, TUV EN 62368-1, IEC 62368-1, EN 61558-1, EN 61558-2-16, CCC GB 4943 approved	
IPS Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC	
IPS Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG:100MOhms /500VDC /25°C/70% RH	
IPS EMC Emission	Compliance to EN 55032 (CISPR32) Class B, EN 61000-3-2,-3, GB9254 class B	
IPS EMC Immunity	Compliance to EN 61000-4-2,3,4,5,6,8,11, EN 55024, light industry level, criteria A	
Operating/Storage Temp	-10 ~ +45°C	
Operating Humidity	20 ~ 90% RH	
Protection Rating	IP54	
Size	<p>Basic size 600x800x300mm max depth (PROD1007-X16)            Mounting holes: check cabinet type with Digital Mining Technology            Allow for door opening clearance when mounting side by side</p> 	
Weight	38kg	41kg when fully loaded with PPUs
Connector(s)	1 x RJ45 (CAN communications) 1 x RJ45 Ethernet 10BASE-T / 100BASE-TX 2 x N connections (GPS+WIFI/GSM) 1 x integrated V2V antenna	2x RJ45 (CAN communications) Note that up to 15 charger units may be daisy chained to one test station
Compliance	Refer PROD084X IVU Refer PROD1039 Emitter	
Part Number(s)	PROD1082-1 (region 1 869.525MHz) PROD1082-2 (region 2 920MHz)	PROD1007-X16 (16x lockable) PROD1007-X20 (20x standard)
Output Power	Optional 24V 250mA digital output for switching a gate or turnstile	5VDC 0.9A at each charging position

**Contact**

Company	Industrea Mining Technology Pty Ltd, T/A Digital Mining Technology 3 Co-Wyn Close, Fountaindale, NSW 2258, Australia
Web	<a href="http://www.wabteccorp.com">www.wabteccorp.com</a>