



PL400

EVSE PROGRAMMABLE LOAD EMULATOR

The PL200 is a fully programmable load solution providing no-load and adjustable-load modes.

SPECIFICATIONS

PARAMETER	VALUE
Max Power	AC: 13.5KW (240Vac) DC: 18 KW (480Vdc)
Circuit Protection	AC: 80 Amps Double Breaker DC: 100 Amps Double Breaker
Voltage Range	AC: 90 to 264V DC: 50 to 500V
Load Range	See programmable load modes section
Load Setting Error	<2% (LL & FL) , <7% (SL)
EV Communication Protocol	AC: Control Pilot + Proximity DC: HomePlug Green Phy*
Dimensions	19.5" x 14.85" x 14.25" (49.53 x 37.72 x 36.20cm)
Weight	40.79 lbs. (18.5kg)

KEY FEATURES

- Safe and easy to use
- Provides full load emulation of electric vehicle behavior for the EVSE
- Completes The Pilot Control Signal Network
- Provides Proximity Detection Circuit
- Three models available to suit all budgets and testing needs
- Displays charging state based on SAE J1772 Standard and load mode information
- Fully controlled and monitored by the T400 Tester

PROGRAMMABLE LOAD MODES

- **No Load (NL)**
- **Starting Load (SL)** : 0.5A
- **Light Load (LL)** : up to 8.25 A
- **Full Load (FL)** : 55A (AC) / 32A (DC)

Testing EVSE performance to HB44 and HB130 requires very flexible load conditions. At a minimum, tests must be conducted at (1) no load, (2) starting load of 0.5A, (3) light load of at most 15% of Control Pilot specified available load, and (4) full load of at least 85% of the Control Pilot (CP) specified available load current. Since the CP specified load is not known until the test begins and may be any value up to the maximum rating of the charger, **PL400** can provide any load needed is necessary.

* on development