

IMPORTANT

INFORMATION FOR THE INSTALLER

The **NPS1000** provides a **low voltage, direct current (DC) output (53.2VDC)** with the unit in support of the lighting fixtures. Care must be taken to **observe polarity**.

If optional battery is not used in the system, a 2900 microfarad, 75 volt, electrolytic capacitor (**Nextek part: NA 2900**) must be installed across the battery connections (brown and orange wires) of the power unit. **Observe cap. polarity!**

The **NPS1000 must be installed at the location of the fixtures** (up to 16, two lamp fixtures) it will serve in order to minimize voltage drops in the connected cabling.

Care must be taken in the layout of the cabling from the power units to the fixtures to **insure shortest possible lengths**.

Use two or more separate service cables from the power unit junction metal box to a given string of fixtures to avoid voltage drops.

Use the largest cable size consistent with load amps and cable length (AWG 12 or 10) to minimize voltage drops.

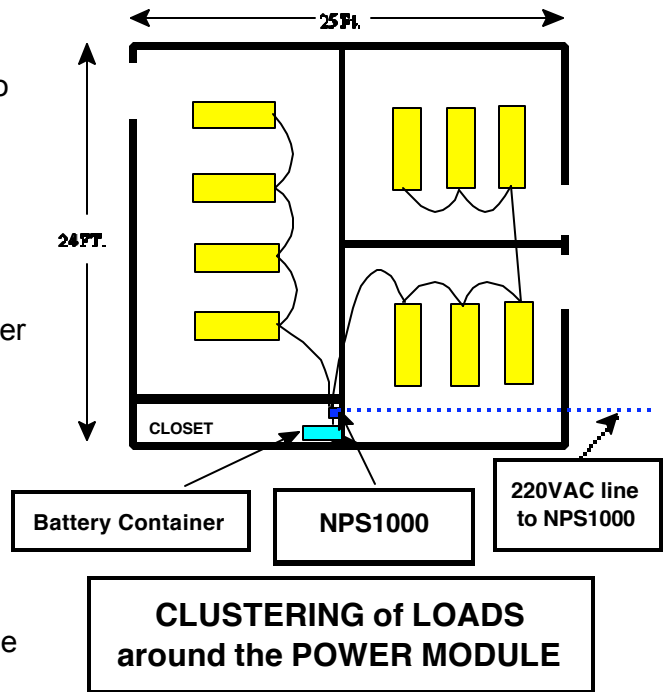
Use low voltage, **low current remote “relay” power switching** in-line with the loads to avoid voltage drops in the switch “legs”. **Or use the included RJ11, phone type connection** included with the *Nextek* ballast. (See literature.)

Mount power unit vertically in a well ventilated position near the fixtures being served.

If connecting to solar collector the total solar collector array for the building must be electrical divided into sub-arrays or sections with each sub-array output not to exceed 18 amps at full sun intensity at the PV input connection of the **NPS1000**.

If connected to batteries locate the batteries as close to the power unit as possible with a wire size no smaller than AWG 10.

WARNING: Do not install on combustible surface.



POWER UNIT	INPUT VOLTAGE RANGE	MAXIMUM INPUT CURRENT	OUTPUT VOLTAGE	MAXIMUM OUTPUT CURRENT	MAXIMUM # of 48" T8 LAMPS
NPS660	208V to 277V AC/DC	3.6 AMPS	26.6 VDC	25 AMPS	24
NPS1000	208V to 277V AC/DC	5.5 AMPS	53.2 VDC	18 AMPS	32