

Steca Solarix PLI Installers help sheet



General info	<p>Please adhere to the following general information:</p> <ul style="list-style-type: none"> • Only qualified service professionals may perform the installation of this device • Before using the device, read all instructions, cautionary markings and all appropriate sections of the product manual • Adhere to local norms and regulations • For the location of the installation the following conditions must be true: <ul style="list-style-type: none"> ○ The humidity must be below <90% (non-condensing) and not salty ○ The ambient temperature is between 0° C and +55° C ○ The device has the protection class IP21 – ensure the environment is neither unduly dusty nor dirty <p>If the conditions above can't be met naturally, a suitable climatization of the corresponding room must be provided instead</p> • The device must not be opened. A removal of the casing voids the product warranty.
PV-input Surge Protection	<p>We recommend installing an SPD (Surge Protection Device) at the inverter PV-/DC-input side.</p> <p>As such we recommend:</p> <ul style="list-style-type: none"> • A 160 Vdc SPD – e.g., the Citel DS240S-110DC (PLI 5000) • Or a 110 Vdc SPD – e.g., the Citel DC240S-75DC (PLI 2400/PLI 1000)
AC-input Surge Protection	<p>We recommend installing an SPD (Surge Protection Device) at the inverter AC-input side.</p> <p>This SPD will help to disconnect unexpectedly high AC-input surges towards the inverter.</p> <ul style="list-style-type: none"> • As such we recommend a 275 Vac SPD - e.g., the DEHNguard modular (DG M TNS 275 FM - 952 405)
AC-input Residual Current	<p>Due to its design, the inverter cannot cause a DC fault current. The installation of a Residual Current Device (RCD) is not necessary. If local installation regulations or the power supply company do require the installation of an external RCD in the AC connection line, a type A RCD is sufficient according to IEC 62109-1. The tripping current should be rated at least 100 mA or higher.</p> <p>If multiple inverters are installed in a system, a corresponding earth-leakage circuit breaker (RCD) must be installed for each individual inverter.</p>
Battery connection	<p>Ensure to use a battery fuse as close as possible to the battery terminal with a rating of at least 250 Adc for the PLI 5000 or 200 Adc for the PLI 2400 or PLI 1000 as over-current protection for the battery and battery cables.</p> <p>The fuse must be able to reliably protect the battery cables from short-circuit or overload.</p>

Disregarding the installation references can cause irrevocable damages to the device not covered by the product warranty!