



Solar PCU Best Practices: A Guide to Do's and Don'ts.

Proper installation ensures your Solar PCU runs efficiently, lasts longer, and delivers optimal performance. Follow these simple guidelines to get the best out of your system!





Do's – Best Practices for a Smooth Setup

- o Connect the battery correctly – Red wire to +ve, black wire to -ve.
- o Follow the right connection sequence – First, connect the battery > solar > mains (in this order).
- o Keep the installation area clean & safe – Ensure a dust-free environment.
- o Use the correct number of solar panels – Follow recommended VOC values for maximum efficiency.
- o Tighten all connections properly – Loose wires can cause performance drops and safety risks.
- o Install in a covered area – Protect your PCU from direct sunlight, rain, or moisture.
- o Maintain at least 1-foot clearance – Keep the PCU 1 foot away from the wall for proper ventilation.
- o Use high-quality plugs – Prevent electrical hazards with standard-grade plugs.
- o Place on a sturdy trolley – Keep both the battery & PCU on a trolley in a clean, dry place.
- o Ensure proper battery capacity – Use the recommended Ah and battery count for your setup.
- o Allow proper battery ventilation – Never block battery vents, as they need airflow to function safely.
- o Call an authorized technician for issues – No DIY repairs, always seek expert help.
- o Disconnect everything before servicing – Solar > Mains > Battery must be disconnected before any maintenance.



Don'ts – Avoid These Common Mistakes

- o Never connect heavy loads directly – It affects performance & damages the system.
- o Never connect mains or solar before the battery – The battery should always be connected first.
- o Never block ventilation – Poor airflow can cause overheating & battery failure.
- o Never use liquid/detergent for cleaning – Simply wipe with a dry cloth.
- o Never attempt self-repairs – Opening the PCU yourself voids the warranty & can be dangerous.
- o Never use low-quality plugs – Poor plugs can cause voltage fluctuations.
- o Never ignore loose connections – A loose wire can cause power loss or short circuits.
- o Never install in an exposed area – Direct sunlight, rain, or dust can damage the unit.

Following these simple steps ensures your Solar PCU runs efficiently, safely, and delivers long-lasting performance.