

# Solar container power station technical maintenance solution epc

<div class="df\_qntext">How does EPC work?

In the EPC (Engineering, Procurement and Construction) of solar power plants, we design the selection and layout of the equipment to suit the characteristics of the site to maximize the amount of power generated, as well as the civil engineering, cabling and power transmission. We use our global purchasing network to source the equipment needed

<div class="df\_qntext">What are EPC solutions?

solutions, or cash retentions. Bank guarantees, in this example a performance bond, ensure that the EPC service provider is able to pay for liabilities and warranties that might arise from the EPC contract. To receive this type of bank guarantee, the EPC service provider has to pay a percentage to the bank.

<div class="df\_qntext">What information should be shared with the EPC service provider?

Grid connection technical specifications, often prepared by the local network operator. Network operating conditions to be complied with during the operation phase. Additionally, in case of a specific Power Purchase Agreement (PPA), it is recommended that this information is shared with the EPC service provider.

<div class="df\_qntext">Who agrees with the EPC service provider on a project management plan?

At this stage, the Owner/Developer shall also agree with the EPC service provider on the Project Management Plan, including the project reporting, EHS, quality, changing plans and document register. A detailed overview of the documentation of this stage can be found at Annex F, section Preliminary Design. 6.3. Execution design

<div class="df\_qntext">What are energy storage systems (ESS)?

In addition, energy storage systems (ESS) provide a wide range of ancillary services to the grid (e.g., balancing power, frequency, and voltage control, "black start", etc.), thus ensuring a stable, secure, and efficient operation of the energy system.

<div class="df\_qntext">What does an EPC service provider do?

Commercial risk shifting (procurement, inventory, and warranty of components): As the EPC service provider is the key point of contact for others involved in the construction phase, they may provide a warranty on quality of electromechanical systems, in addition to the product warranty granted by the relevant component producer under national law.

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