

### Equipment - Electrical

<b>Switch</b>	An electrical component that breaks or closes an electric circuit.
<b>Circuit Breaker</b>	Protects an electrical circuit from overcurrent/overload using switches.
<b>ACB</b>	AC Breaker
<b>Transformer</b>	A device used to either increase (step up) or decrease (stepdown) voltage.
<b>Current Transformers</b>	Converts primary current into secondary current.
<b>SST</b>	Station service transformer -a transformer that steps down the voltage to be used by customer.
<b>ACP</b>	AC Panel - A circuit breaker panel that is a main distribution point for electrical circuits.
<b>Fuse</b>	A device that protects electrical circuit from overcurrent using metal wire that melts when too much current flows.
<b>VFI</b>	Motor Interrupted Fault Interrupter - Cuts off power if a person receives a shock.
<b>Conduit</b>	A tube or trough that protects electrical wiring.
<b>HPC</b>	High Power Charging.
<b>Fused Disconnect</b>	The combination between of a switch to disconnect the circuit and a fuse to shut the circuit off.

### Equipment - Telecommunications

<b>FPP</b>	Fibre-optic Patch Panel - an interface panel that connect multiple optical fiber cables and optical equipment.
<b>CT Enclosure</b>	Enclosures in which current transformers are mounted in. They are used to prevent electrocution.
<b>E-House</b>	Pre-fabricated substations used to operate the industrial site they are installed on.

### Equipment - Solar

<b>PV Module</b>	Photovoltaic modules captures solar energy to transform into sustainable energy.
<b>Inverter</b>	A device that converts DC to AC.
<b>Central Inverter</b>	Centralizes the power that is produced by the plant, each power block will have on central inverter.
<b>String Inverter</b>	An inverter for smaller sections of the array.
<b>Microinverter</b>	Similar to the string inverter however they are installed beneath each solar panel.
<b>Combiner Box</b>	Brings the output of several solar strings together.
<b>DCD</b>	DC Disconnect - A switch that completes or interrupts the flow of DC electricity.
<b>Power Optimizer</b>	A DC-DC converter that takes DC power and converts it to a different voltage and current optimal for the inverter.
<b>By-Pass Diode</b>	Wires that provide an alternate current when a solar panel is shaded or faulty.
<b>String</b>	A series of solar panels connected together.
<b>BESS</b>	Battery energy storage system - an electrochemical device that charges from the grid or a power plant and discharges the energy when needed.
<b>P</b>	Positive DC Cable.
<b>N</b>	Negative DC Cable.
<b>DC Homeruns</b>	Strings that run from the combiner box to the inverter.



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