Equipment - Electrical

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

Equipment - Telecommunications

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

Equipment - Solar

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

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