

PV MODULE SERVICE OVERVIEW



Mitigate Risk and Optimize Your PV Module Investment

CEA performs quality assurance work before, during and after the production of PV modules, conducting 6 main activities, that are necessary to ensure pre-installation quality.

CEA's Services are Designed to Mitigate Risk

Pre-production	Technical Requirements & QAP (Golden Standard)	<ul style="list-style-type: none"> All technical, quality and inspection requirements are agreed with suppliers pre-contractually: standards, reliability tests, characterization, supplier's QAP, inspection process and criteria, pass/fail parameters etc.
	Factory Audit (FA)	<ul style="list-style-type: none"> A team of engineers audits a factory location using a 1,000+ point checklist Every finding is recorded and classified according to its risk potential
Production QA	Inline Production Monitoring (IPM)	<ul style="list-style-type: none"> A team of engineers monitors all stations of a factory site during the entire production of an order using a 280+ point checklist Every finding is recorded and classified according to its risk potential
	Pre-Shipment Inspection (PSI)	<ul style="list-style-type: none"> A team of engineers performs visual, EL and IV inspections for a sample lot of modules, according to a list of vetted quality criteria Every finding is recorded and classified according to its risk potential
	Container Loading Monitoring (CLM)	<ul style="list-style-type: none"> Conformance with packaging and loading specifications Confirmation that the boxes/pallets of products being loaded into the shipping container come exclusively from inspected and approved lots
	Batch Testing (PID, LID, LeTID, etc.)	<ul style="list-style-type: none"> Randomly select samples from a production batch to test Production is evaluated against agreed upon pass/fail criteria with CEA recommending approval or rejection based on batch test results



