

Testing Summary

Safety Test

TEST	DESCRIPTION
MST 01 Visual Inspection	Checking any visual defect or change in the module; (marking, sharp edge, bubbles, crack, delamination, bent, mechanical integrity, ...)
MST 02 Performance at STC	Checking the short circuit current (Isc) and open circuit voltage (Voc) and comparing with the rating with tolerances (same as MQT 06)
MST 03 Maximum Power Determination	Checking the functionality of module and maximum power by checking the I-V curve (same as MQT 02)
MST 04 Insulation Thickness Test	Checking the thickness of insulation thin layers (back sheet) in three points as worst cases at solder connection, edge of frameless PV modules, laminator membrane indents. The measurement should be bigger than requirement (0.15mm+tolerance%)

MST 05 Durability
of Marking

Checking durability and legibility of markings on the solar panels with medium pressure 15 second by hand and cloth soaked with water and again with petroleum spirits.

MST 06 Sharp
Edge Test