

TORAY

Innovation by Chemistry

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International PV module QA Forum

Proposal for PV Rating System



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Development Center**

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Requirements for Cryst-Si Module (conceptual)

Climate in region	Mounting Configuration			
	Roof-fit	Roof top (Close roof)	Open Rack (on Field or Roof)	Tracking
High mountain	TE * UVF*** TC,HF** SL***	TE * UVF*** UVB* TC,HF** SL***	TE * UVF*** UVB** TC,HF** SL***	?
High latitude region (Low temp)	TE * UVF** TC,HF** SL***	TE * UVF** UVB* TC,HF** SL***	TE * UVF** UVB* TC,HF** SL***	?
Middle latitude region (Moist)	TE** UVF** TC,HF** SL**	TE ** UVF** UVB* TC,HF*** SL**	TE * UVF** UVB* TC,HF** SL***	?
Middle latitude region (Dry)	TE** UVF** TC,HF** SL**	TE ** UVF** UVB* TC,HF** SL**	TE * UVF** UVB* TC,HF** SL***	?
Low latitude region (Moist)	TE*** UVF** TC,HF*** SL**	TE ** UVF** UVB* TC,HF*** SL**	TE ** UVF** UVB* TC,HF*** SL***	?
Low latitude region (Dry)	TE*** UVF*** TC,HF*** SL**	TE *** UVF*** UVB* TC,HF*** SL***	TE ** UVF*** UVB** TC,HF*** SL***	?

Thermal Endurance (TE) :

UV / front side (UVF)

UV / Back side (UVB)

Thermal Cycling or HF (TC,HF with BIAS?):

SNOW& WIND (Static Load) (SL):

X

additional

location	
Marine	Salt spray test
Farmland	Ammonia test