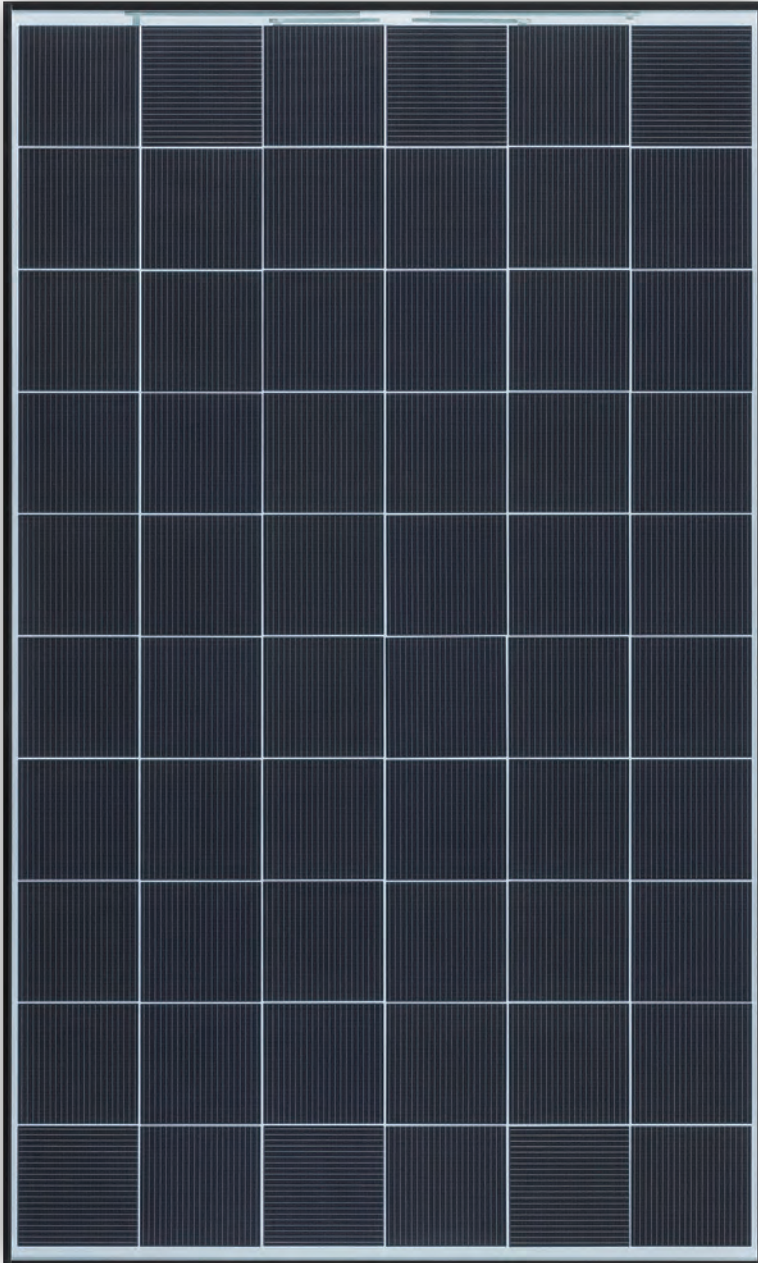
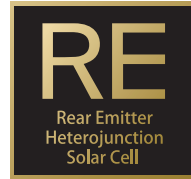


Nominal maximum output

310w



High conversion efficiency, 18.7%.



Rear emitter heterojunction cell with multi-wire technology.



High light absorption by low reflection glass.



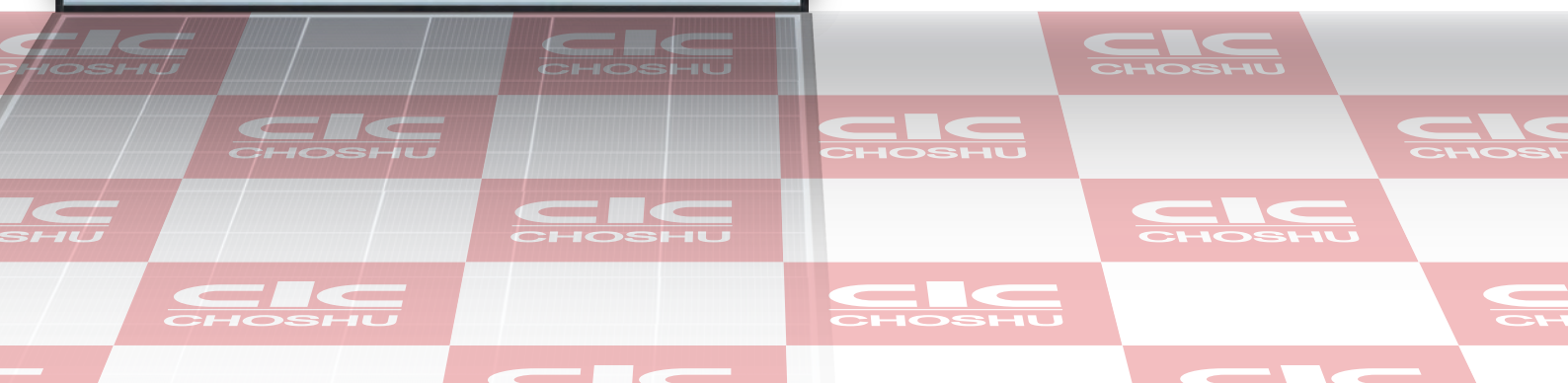
Loading Capacity of 5,400Pa for Positive Pressure.

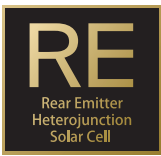


Power Output Warranty for 20 years.

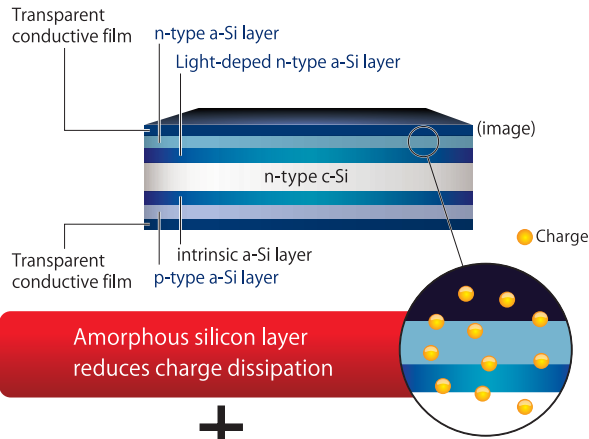
○For 10 years, more than 90% of Nominal Max. Output.

○From 11 years to 20 years, more than 80% of Nominal Max Output.





The rear-emitter heterojunction structure in which p-type layer of higher resistivity and n-type layer of lower resistivity are arranged reversely reduces resistivity on the surface of solar cells and the loss in electricity transmission.



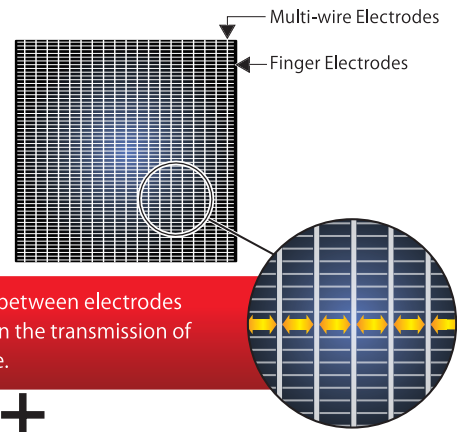
Amorphous silicon layer reduces charge dissipation



Reducing electric resistivity and transmission loss



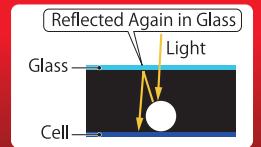
Mesh-like electrode structure is applied on the cell surface.



Shorter distance between electrodes reduces the loss in the transmission of generated charge.



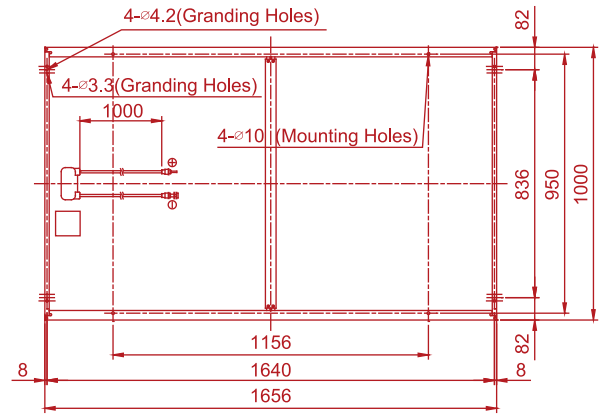
Reflected light in glass easily reaches to the cell because electrodes are thin and round. (as for nearly vertical light).



Specification

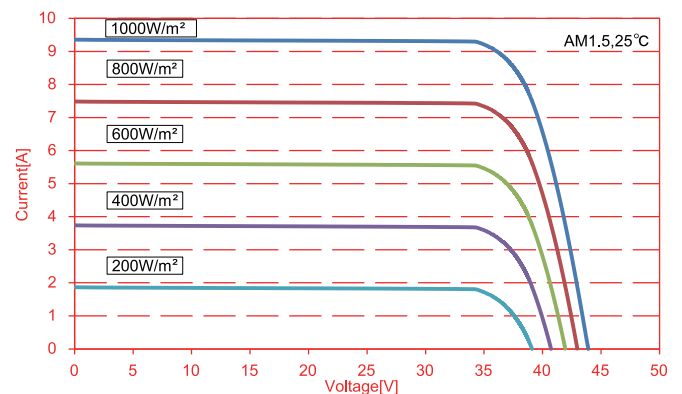
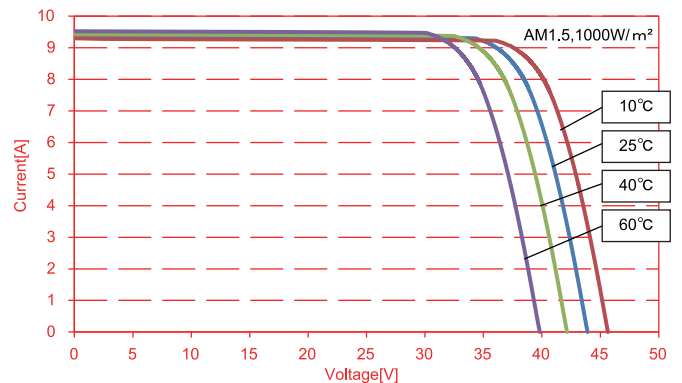
Mechanical performance

Cell type	Monocrystalline	156mm×156mm(6inch)
Product name	CS-310G14	
Weight	19.8kg	
External dimension	1,656mm×1,000mm×35mm	
Output cable	4mm ²	
Cells	60	
Bypass-diode	3	
Connector	YUKITA(Y5-255/254)	



Maximum system voltage	DC1000V
Ambient temperature	-20°C~+40°C
Maximum series fuse rating	15A
Product name	CS-310G14
Load	Surface:static snow load/wind pressure 5400Pa
	Back side:static wind load 2400Pa
Applicable class	ClassA

IV-Curves



The mentioned values were measured by in-house measurement.

