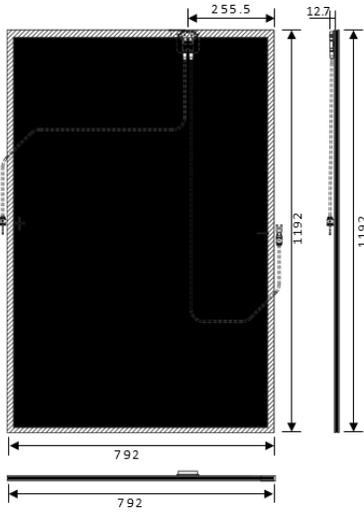


# Hanwall



## Parameter of electrical characteristics

Standard Test Conditions (STC): 1000 W/m<sup>2</sup>, 25°C spectrum of AM 1.5G

Power(+5/-0W)	P	[W]	140
Short Circuit Current	I <sub>SC</sub>	[A]	1.72
Open Circuit Voltage	V <sub>OC</sub>	[V]	108.90
Current at PMPP	I <sub>MPP</sub>	[A]	1.63
Voltage at PMPP	V <sub>MPP</sub>	[V]	86.10
Rated conversion efficiency		[%]	15

## NOCT

Rated working temperature of the components	[°C]	42
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## Temperature Coefficient (at 1000 W/m<sup>2</sup>)

Pmax γ	[%/K]	-0.30 ~ -0.28
Isc α	[%/K]	+0.01
Voc β	[%/K]	-0.24 ~ -0.20

## Mechanical Specifications

Length	1192(+1/-1) mm
Width	792(+1/-1) mm
Thickness	15 mm(± 0.2mm)
Weight	33 kg
Front plate	5mm ultra white tempered glass
Back plate	5mm ultra white tempered glass(punching)
Chip type	Cuprum, Indium, Gallium, Selenium CIGS[Cu(In, Ga)Se]
Junction Box	IP67(66mmX60mmX12.5mm)/Integrated junction box with a bypass diode
Cable type	2.5mm <sup>2</sup> solar cable
Connector	MC4

## Characteristic parameters of system integration

Max. system voltage V <sub>SY</sub> S	[V]	1000(IEC)
Max. reverse current I <sub>R</sub>	[A]	4
Snow/Wind load (IEC 61646)	[Pa]	6000
Hail resistance grade		Grade IV
Protection grade		IP67
Combustion performance rating		A(GB8624)
Under continuous operation from		-40°C to +85°C