



Chinland Solar Energy Co., Ltd.

合肥中南光电有限公司

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Model :	
Monocrystalline silicon solar module	CHN55-40M
Specification:	
Cell	Monocrystalline silicon solar cells 125*62.5mm
Solar cell efficiency	18.00%
No. of cells and connections	40(4*10)
Dimension of module (mm)	685*540*30
Nominal voltage	12V
Weight	4.5kg
Limits	
Operating temperature	-40 to+85°C
Maximum system voltage	715 V DC
Temperature and Coefficients	
Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient (%/k)	0.06±0.01
Voltage temperature coefficient (mV/k)	-(78±10)
Power temperature coefficient (%/k)	-(0.5±0.05)
Characteristics	
Model	CHN55-40M
Solar module efficiency	14.87%
Tolerance	±5%
Open circuit voltage (Voc)	24.7V
Optimum operating voltage (Vmp)	20.2V
Short circuit Current (Isc)	2.8A
Optimum operating current (Imp)	2.7A
Maximum power at STC (Pm)	55Wp

Note: Test condition are STC Irradiance 1000W/m² with AM 1.5 spectrum, cell temperature 25°C, Test method according to IEC 904-1, Tolerance Efficiency 5% rel.

* These columns list typical value of production performance. Just for reference.