

GSM-175 SERIES

单晶硅太阳能电池组件
Monocrystalline Silicon Solar Cell Module

Specifications

Cell	Monocrystalline silicon solar cells 125mm×125mm
No.of cells and connections	72(6×12)
Dimension	1580×808×35(mm)
Weight	15.6kg



Limits

Operating temperature	-40 to +85℃
Maximum system voltage	1000VDC

Characteristics

Model	GSM-180	GSM-175	GSM-170
Open circuit voltage(Voc)	43.6V	43.2V	43.2V
Optimum operating voltage(Vmp)	34.8V	34.4V	34.4V
Short circuit current(Isc)	5.75A	5.65A	5.49A
Optimum operating current(Imp)	5.17A	5.09A	4.94A
Maximum power at STC (Pm)	180Wp	175Wp	170Wp

STC:1000W/m², 25℃, AM1.5

Temperature and Coefficients

NOCT	46℃ ±2℃	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mV/K	-(165±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT:Nominal Operation Cell Temperature

