

NPA50S-12H

Multi-Purpose Module

ELECTRICAL CHARACTERISTICS

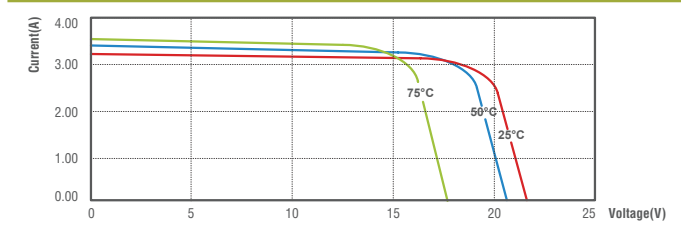
Type	NPA50S-12H
Power Output(W)	50W
Voltage MPP Vmpp(V)	17.0V
Current MPP Impp(A)	2.94A
Voltage Open Circuit Voc(V)	20.23V
Short Circuit Current Isc(A)	3.12A
Temperature Coefficient Of Voc	-(80±10)mV/°C
Temperature Coefficient Of Isc	(0.065±0.015)%/°C
Temperature Coefficient Of Power	-(0.5±0.05)%/°C
NOCT (Air 20°C; Sun 0.8kW/m ² wind 1m/s)	47±2°C

STC: 1000W/m² Irradiance, 25°C module temperature, AM1.5g spectrum according to EN 60904-3

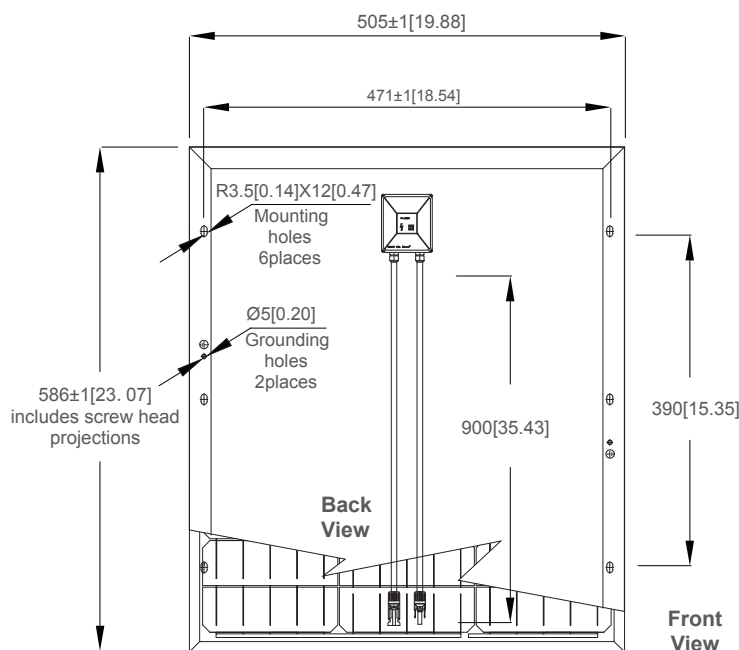
MECHANICAL CHARACTERISTICS

Cells	Monocrystalline Silicon
Solar Cells Grade	Class A High Efficiency
Module Dimension(mm/in.)	586[23.07]x505[19.88]x30[1.18]
Weight(kg/lbs)	3.50[7.72]
Packing Information(mm/in.)	639[25.15]x557[21.93]x58[2.28]/(1pc/ctn)

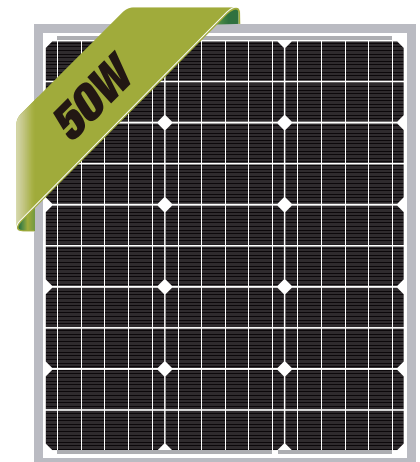
I-V CURVES (Irradiance: AM1.5, 1km/m²)



MODULE DIAGRAM



Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]



*Specifications subject to technical changes and tests. NEWPOWA reserves the right of nal interpretation.