



# STAR POWER

## Solar Module MSB 48

*Star Power's MSB 48 provides a cost-effective & environmental-friendly DC power source of 48W power. With 36 mono-crystalline cells in series, MSB 48 modules charge efficiently 12V battery in almost any environment. They are ideal for home power or single-module industrial or commercial applications.*



### Superior Quality

- Every module is fully inspected and tested to ensure compliance of electrical, mechanical and visual requirement
- Highly-transparent and low-iron glass provides great light transmission and protection from tough environment
- Solar cells are encapsulated by layers of EVA and Tedlar backsheet that provide excellent moisture resistance and electrical isolation.

### Easy Installation

- Light-weight anodized aluminium frame with pre-drilled holes for easy installation
- Junction box allows connection with cable, wire or conduit for easy field wiring
- Normal 12 V operation and field configurable to 6V operation

**MSB 48 : 48W, 12V, Mono-crystalline Si, Glass/EVA/Tedlar**

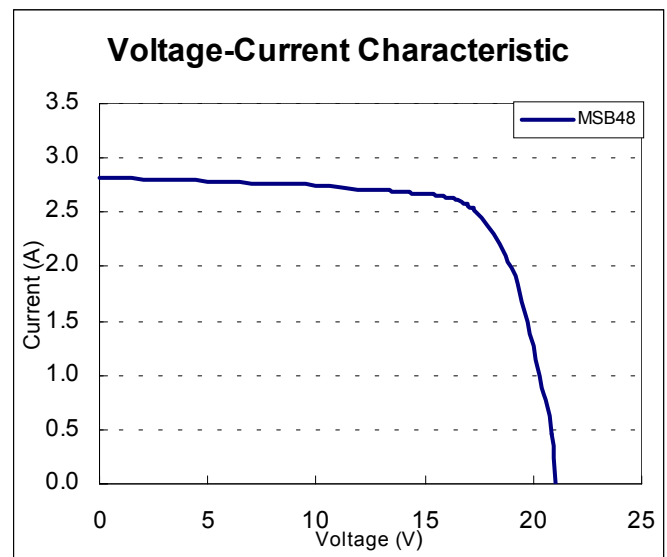
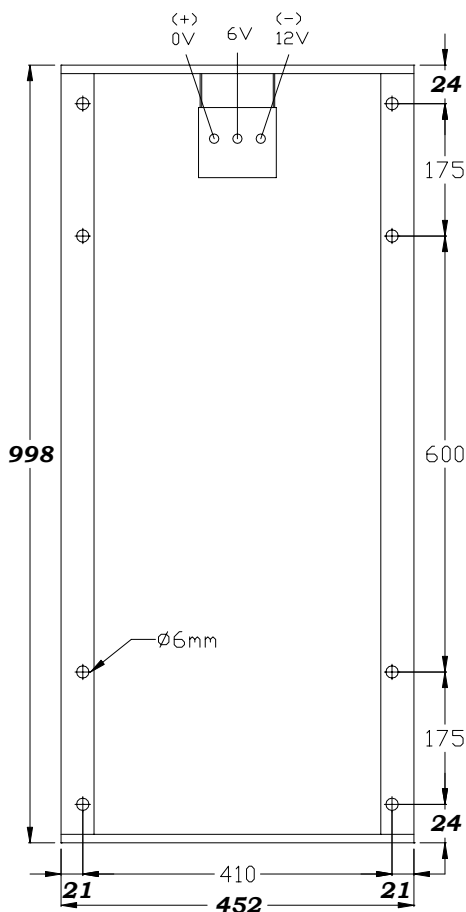
Electrical Specifications*		MSB 48 (12V**)	MSB 48 (6V)
Maximum Power ( $P_{max}$ )	[W]	48	48
Voltage at $P_{max}$ ( $V_{mp}$ )	[V]	17	8.5
Current at $P_{max}$ ( $I_{mp}$ )	[A]	2.82	5.64
Open-circuit voltage ( $V_{oc}$ )	[V]	21	10.5
Short-circuit current ( $I_{sc}$ )	[A]	3.2	6.4

\* These data are based on measurement made in accordance with ASTM E1036-85 corrected to STC (Standard Test Conditions), which are Air Mass AM = 1.5, Irradiance E = 1000 W/m<sup>2</sup>, Cell Temperature  $T_c = 25^\circ\text{C}$

\*\* 12V/ 6V configurable at Junction Box, 12 V factory default

Mechanical Specifications		
Outside dimensions (W x H)	[mm]	452 x 998
Thickness	[mm]	33
Weight	[kg]	5.5

## Dimensions



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