



## Electrical Characteristics

STC	SMS100P-4X06U	SMS85P-2X10U	SMS50M-2X6U
Maximum Power ( $P_{max}$ )	100	85	50
Maximum Power Voltage ( $V_{mp}$ )	12.4	10.5	6.2
Maximum Power Current ( $I_{mp}$ )	8.07	8.10	8.07
Open-circuit Voltage ( $V_{oc}$ )	15.2	12.9	7.6
Short-circuit Current ( $I_{sc}$ )	8.52	8.55	8.52
Module Efficiency (%)	15.1	15.3	14.7
Operating Temperature ( $^{\circ}C$ )	-40 $^{\circ}C$ to 85 $^{\circ}C$		
Maximum System Voltage	600 V DC		
Maximum Series Fuse Rating	20 A		
Application Class	Class A		
Power Tolerance	0/+5 W		

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25 $^{\circ}C$ , AM=1.5.

## Mechanical Characteristics

STC	SMS100P-4X06U	SMS85P-2X10U	SMS50M-2X6U
Solar Cell	Polycrystalline Silicon	Polycrystalline Silicon	Monocrystalline Silicon
No. of Cells	24 (4 x 6)	20 (2 x 10)	12 (2 x 6)
Module Dimensions	1070 x 660 x 6	1705 x 340 x 6	1070 x 340 x 6
Weight	2.7 Kg	2.4 Kg	1.5 Kg
Backsheet	White		
J-Box	IP 68 (One bypass diodes)		
Output Cables	Photovoltaic technology cable 4.0 mm <sup>2</sup> , (+)150 / (-)450 mm		
Connector	MC4 compatible		