

Brand

Morningsun Solar

Model

MSP-160W

Solar Module 160W

TYPICAL ELECTRICAL CHARACTERISTICS

Max-Power	Pm(W)	160
Max-Power Voltage *	Vm(V)	17,8
Max-Power Current *	Im(A)	8,98
Open-Circuit Voltage *	Voc(V)	21,6
Short-Circuit Current *	Isc(A)	9,88
Panel efficiency	η (%)	16,14%
No, type and arrangement of cells	36 pcs. poly-crystalline silicon(4×9)	
Cell Size	156×156mm	
Power Tolerance	(%)	+/-3
Pm Temperature Coefficient	(%/ °C)	-0,45
Isc Temperature Coefficient	(%/ °C)	0,05
Max-System Voltage	(VDC)	1000
NOCT-Nominal Operating Cell Temperature	(°C)	47+/-2

MECHANICAL CHARACTERISTICS

Dimension	1480×670×35(mm)	
Weight	11.5Kg	
Glass,Type and Thickness	High Transmission,Low Iron,Tempered Glass 3.2 mm	
Backsheet	TPT	
Cable and Connector	4mm2, MC4	

ABSOLUTE RATINGS

Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+85
*STC Conditions(1000W/㎡,1.5AM and 25 °C Cell Temperature)		