



Shell SM110-12P, Shell SM110-24-P

Shell Solar

SM Series Solar Module Features

- The SM Series has a square-shaped solar cell providing the highest power density of all Shell Solar modules
- The SM Series is Shell Solar's premium modules with the longest service record having been deployed in the field for over 25 years
- Mono-crystalline Power Max® solar cells, are textured and anti-reflection coated for maximum output ratios
- Highly transparent tempered glass delivers more power and ensures high impact resistance and protection against hail, snow, ice and storms



Shell SM55

MODULE TYPE		Shell SM50-H	Shell SM55	Shell SM110-12P	Shell SM110-24P
Electrical Characteristics					
Peak power (P _{mpp})	(W)	50	55	110	110
Peak power voltage (V _{mpp})	(V)	15.9	17.4	17.5	35.0
Peak power current (I _{mpp})	(A)	3.15	3.15	6.3	3.15
Open circuit voltage (V _{oc})	(V)	19.8	21.7	21.7	43.5
Short circuit current (I _{sc})	(A)	3.40	3.40	6.9	3.45
Maximum system voltage (V _{syst. max})	(V)	600	600	600	600
Nominal voltage	(V)	12	12	12	24
Physical Characteristics					
Length	in. (mm)	48 (1220)	50.9 (1293)	51.8 (1316)	51.8 (1316)
Width	in. (mm)	13 (329)	13 (329)	26 (660)	26 (660)
Depth including junction box	in. (mm)	1.3 (35)	1.3 (35)	2.2 (56)	2.2 (56)
Depth excluding junction box	in. (mm)	1.3 (35)	1.3 (35)	1.6 (40)	1.6 (40)
Weight	lbs. (kg)	11.5 (5.2)	12 (5.5)	25.1 (11.5)	25.1 (11.5)
Junction box		ProCharger™ - S	ProCharger™ - S	ProCharger™ - CR	ProCharger™ - CR
Connection type		screws	screws	screws	screws
Mechanical mount		mounting holes	mounting holes	mounting holes	mounting holes
Mounting bolts included		no	no	no	no
Certificates					
		IEC61215	IEC61215	IEC61215	IEC61215
		UL - Listing 1703	UL - Listing 1703	UL - Listing 1703	UL - Listing 1703
		TÜVIsolationClassII	TÜVIsolationClassII	TÜVIsolationClassII	TÜVIsolationClassII
Limited Peak Power Warranty	(years)	25	25	25	25
MSRP		\$370.00	\$390.00	\$715.00	715.00

Power specifications are at Standard Test Conditions (STC): irradiance level 1000W/m², spectrum AM 1.5 and cell temperature 25°C.