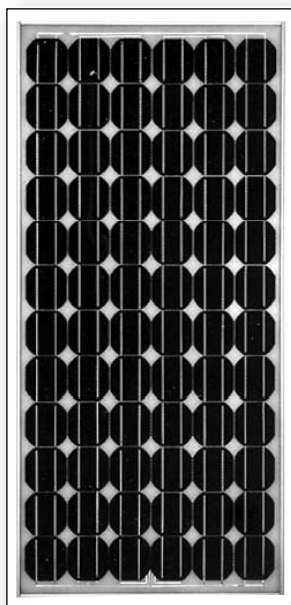


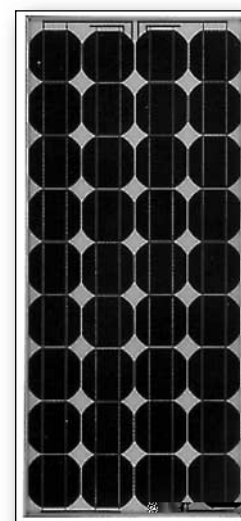
## Shell Solar

### SP Series Solar Module Features

- The SP Series is Shell Solar's most popular and best selling module
- Rugged weather-proof design
- The SP Series has a truncated, round solar cell, providing a medium range power density
- These modules incorporate high quality, single crystalline PowerMax® technology used in other Shell Solar modules. They are laminated to tempered glass and include anodized aluminum frames.
- Modules can be wired in series or parallel to attain required power levels.
- The universal conduit-ready junction box design allows for easy field replacement of diodes. In addition, cable assemblies are field replaceable for the Shell SP140-PC and the SP150-PC.
- Built-in bypass diodes ensure peak system performance.



Shell SP140-PC, Shell SP150-PC



Shell SP70, Shell SP75

MODULE TYPE		Shell SP70	Shell SP75	Shell SP140-PC	Shell SP150-PC
<b>Electrical Characteristics</b>					
Peak power (Pmpp)	(W)	70	75	140	150
Peak power voltage (Vmpp)	(V)	8.25*/16.5	8.50*/17.0	33.0	34.0
Peak power current (Impp)	(A)	8.50*/4.25	8.8*/4.4	4.25	4.4
Open circuit voltage (Voc)	(V)	10.7*/21.4	10.85*/21.7	42.8	43.4
Short circuit current (Isc)	(A)	9.4*/4.7	9.6*/4.8	4.7	4.8
Maximum system voltage (Vsyst. max)	(V)	600	600	600	600
Nominal voltage	(V)	6*/12	6*/12	24	24
<b>Physical Characteristics</b>					
Length	in. (mm)	47.2 (1200)	47.2 (1200)	63.9 (1622)	63.9 (1622)
Width	in. (mm)	20.8 (527)	20.8 (527)	32.1 (814)	32.1 (814)
Depth including junction box	in. (mm)	2.2 (56)	2.2 (56)	2.2 (56)	2.2 (56)
Depth excluding junction box	in. (mm)	1.3 (34)	1.3 (34)	1.6 (40)	1.6 (40)
Weight	lbs. (kg)	16.7 (7.6)	16.7 (7.6)	38 (17.2)	38 (17.2)
Junction box		ProCharger™ - CR	ProCharger™ - CR	ProCharger™ - CR	ProCharger™ - CR
Connection type		screws	screws	cable	cable
Mechanical mount		mounting holes	mounting holes	mounting holes	mounting holes
Mounting bolts included		no	no	no	no
<b>Certificates</b>					
		IEC61215	IEC61215	IEC61215	IEC61215
		UL - Listing 1703	UL - Listing 1703	UL - Listing 1703	UL - Listing 1703
		TÜVIsolationClassII	TÜVIsolationClassII	TÜVIsolationClassII	TÜVIsolationClassII
		FM	FM		
<b>Limited Peak Power Warranty</b>	(years)	25	25	25	25
<b>MSRP</b>		\$455.00	\$489.00	\$910.00	\$975.00

\*The Shell SP75 and Shell SP70 may be reconfigured in the field for 6V operation.

Power specifications are at Standard Test Conditions (STC): irradiance level 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature 25°C.