

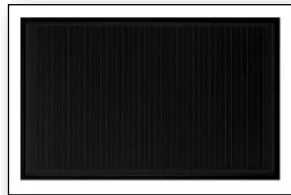
Shell Solar

ST Series Solar Module Features

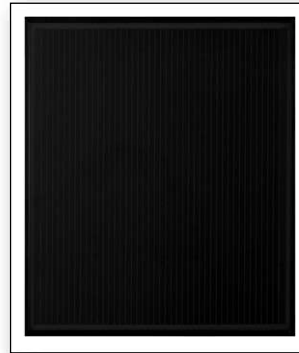
- Multiple layer CIS solar cells capture a broad spectrum of light to deliver excellent power performance even in reduced light conditions
- Conductive front layer of zinc oxide provides superior light transmission to enhance output
- Black anodized aluminum frame secures the glass front laminate for durability
- Uniform flat-black appearance is visually compatible with a variety of installation requirements
- 10 year limited warranty on power output



Shell ST40
(not shown to scale)



Shell ST5



Shell ST10



Shell ST20

MODULE TYPE		Shell ST5	Shell ST10	Shell ST20	Shell ST40
Electrical Characteristics					
Peak power (Pmpp)	(W)	5	10	20	40
Peak power voltage (Vmpp)	(V)	15.6	15.6	15.6	16.6
Peak power current (Impp)	(A)	0.32	0.64	1.29	2.41
Open circuit voltage (Voc)	(V)	22.9	22.9	22.9	23.3
Short circuit current (Isc)	(A)	0.39	0.77	1.54	2.68
Maximum system voltage (Vsyst. max)	(V)	25	25	25	600
Nominal voltage	(V)	12	12	12	12
Physical Characteristics					
Length	in. (mm)	12.9 (328)	15.3 (387)	29.5 (748)	50.9 (1293)
Width	in. (mm)	8.1 (206)	12.9 (328)	12.9 (328)	12.9 (328)
Depth including junction box	in. (mm)	1.3 (35)	1.3 (35)	1.3 (35)	1.3 (35)
Depth excluding junction box	in. (mm)	1.3 (35)	1.3 (35)	1.3 (35)	1.3 (35)
Weight	lbs. (kg)	3.1 (1.4)	5.2 (2.4)	9 (4.1)	15.4 (7)
Junction box		n/a	n/a	n/a	ProCharger™ - S
Connection type		cable	cable	cable	screws
Mechanical mount		mounting holes	mounting holes	mounting holes	mounting holes
Mounting bolts included		no	no	no	no
Certificates					
		UL - Listing 1703	UL - Listing 1703	UL - Listing 1703	UL - Listing 1703
		FM	FM		
Limited Peak Power Warranty	(years)	10	10	10	10
MSRP		\$75.00	\$132.00	\$226.00	\$300.00

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