

## Sharp

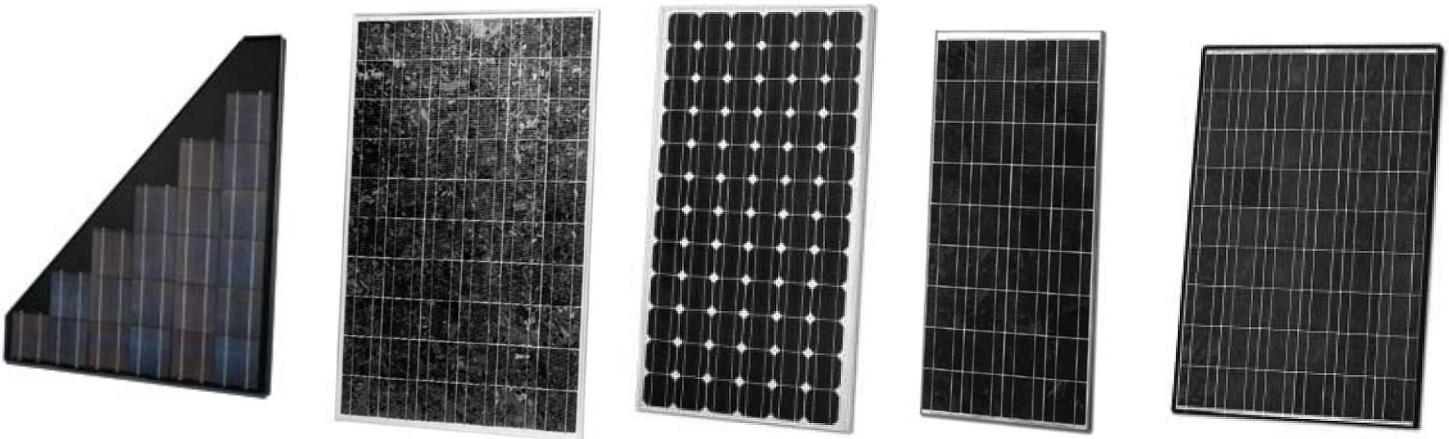
### Solar Modules

Sharp modules are designed for a variety of electrical power requirements. The modules have superb durability to withstand rigorous operating conditions. All are built in ISO 9001 certified facilities. Sharp modules use multi-crystal silicon solar cells except 175 watt module which uses single crystal silicon cells. The modules feature: bypass diodes to minimize power drop caused by shade; a BSF (Back Surface Field) to improve cell conversion efficiency; anodized aluminum frames with pre-drilled mounting holes; 80W and 130W modules have conduit ready J-box.

The 72, 142, 176 and 198 watt models have black, anodized, aluminum frames, and have an “L” hook design located along the perimeter of their frames, designed for OnEnergy™ mounts. The triangular 72 watt modules are matched with 142's to offer design flexibility for roof line aesthetics. All four models are constructed with multi-crystal silicon cells.

All Sharp modules come with #14 AWG lead wires with male and female Multi-Contact® 3 mm connectors. All modules are listed to UL-1703 and cUL, and carry a 25-year limited warranty.

Sharp OnEnergy systems are available in made-to-order kits customized to your specific system needs. Refer to pages 6–8 or speak with your SunWize sales representative.



Sharp 72W module

Sharp 224W module

Sharp 175W module

Sharp 80W module

Sharp 198W module

Part #	Model	Watts	Vmp	Imp	Voc	Isc	Dimensions	Weight
135072RSH	ND-72ERUF (right)*	72	10.03	7.18	12.71	7.89	45.9 x 39 x 1.8	23.1
135072LSH	ND-72ELUF (left)*	72	10.03	7.18	12.71	7.89	45.9 x 39 x 1.8	23.1
135142SH	ND-N2ECUF*	142	19.92	7.13	25.24	7.84	45.9 x 39 x 1.8	31.7
135176SH	ND-176U1F*	176	23.4	7.27	29.3	8.22	52.3 x 39.1 x 2.3	36.4
135170SH	NE-170U1	170	34.8	4.9	43.2	5.47	62 x 32.5 x 1.8	37.5
135175SH	NT-175U1	175	35.4	4.95	44.4	5.55	62 x 32.5 x 1.8	37.5
135198SH	ND-198U1F*	198	26.3	7.52	32.9	8.23	58.7 x 39.1 x 2.3	39.6
135224SH	ND-224U1F	224	29.3	7.66	36.6	8.33	64.6 x 39.1 x 1.8	46.3
13580SH	NE-80EJEA	80	17.3	4.63	21.6	5.16	47.3 x 21.1 x 1.8	21.0
135130SH	ND-130UJF	130	17.4	7.5	21.9	8.2	59 x 26.1 x 1.8	30.9

\*Sharp OnEnergy™ solar modules. Operating temperature: -40°F to 194°F. Maximum system voltage: 600 Vdc.