



# Solar-Shell™ Model 352SS

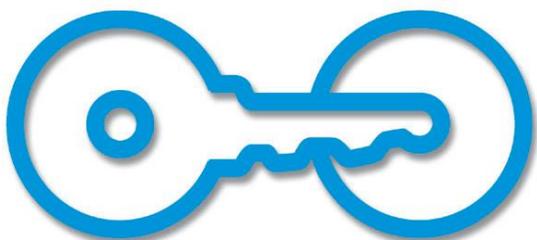


Solar/Cell, maintenance free, sealed gel battery and 12 VDC to 110 VAC inverter outlet to accommodate battery charging.

With worldwide focus on alternative energy sources and the necessity of alternative transportation, the electric bike has proven a realistic and affordable source of transportation, applying to commuters, recreation and law enforcement.

Solar Charging Stations for electric assisted bikes are based on the popular Bike-Shell™ 352 all fiberglass lockers redesigned to accommodate a solar powered generating system to give that boost when away from home.

The Solar Shell™ charging stations incorporate PV (Photovoltaic) panels, electronics and plug-in for battery charging. They arrive with panels preset at the proper angle for optimum exposure at your latitude.



**American Bicycle Security Company**

P.O. Box 7359

Ventura, CA 93006

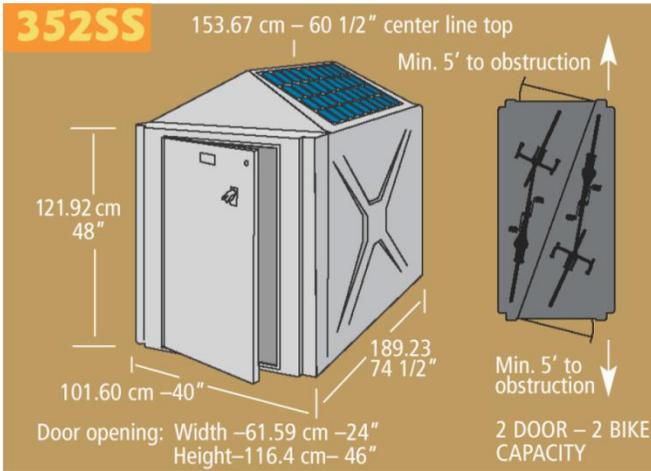
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[www.ameribike.com](http://www.ameribike.com)

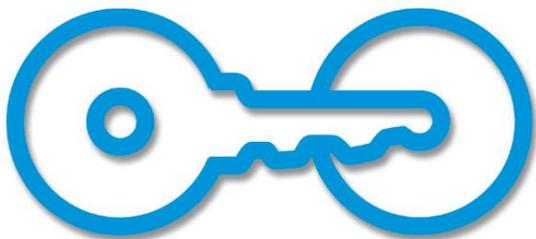
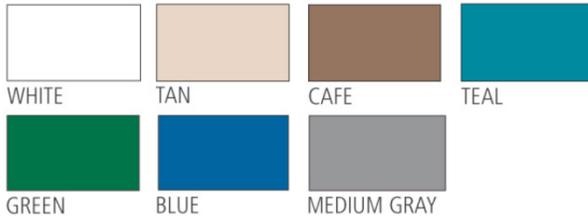
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# Solar-Shell™ Model 352SS



Product	Solar-Shell™ Model 352SS
Capacity	2 door/2 Bikes or Disaster Storage Container
System	The basic unit is composed of a PV (Photovoltaic) panel, controller unit, 12V to 110V inverter and a solar/cell maintenance free sealed gel battery (for photovoltaic applications). In simple terms, the PV panel maintains the charge in the battery, the 12V battery power is converted to 110V through the inverter which powers the internal battery charger on the bike. By having the battery, there is power available to charge in low sun light conditions. All of these components were designed as an integrated system for this application to provide maximum output and battery charging capability. These components are all integrated into the new Solar-Shell™ locker.
Design	One of the unique features of the new Solar-Shell™ locker is that the angle of the PV panel can be adjusted to optimize year-round sun based on the geographic latitude at which the locker is located. You provide the latitude and our technicians will see that the PV panel is set when it arrives. Our current locker allows PV panel angle adjustment to accommodate latitudes of the continental US and other countries which fall into the same latitude band in both the Northern & Southern hemisphere. Other latitudes accommodated upon request.
Setback	Please allow 5ft clearance for both doors
Circuitry	Electrical building codes are not a problem with the system operating at a safe 12 volts DC. The bike charging unit plugs directly into a U.L. approved inverter. For protection to the electrical components we have a controller module with automatic shutdown circuitry which prevents damage to the electric components under a number of situations. And should the system go into an automatic shutdown, it is self-initializing which means it will resume charging on its own. Other voltages can be readily accommodated for International applications.
Locks	2 Standard Lock Options (No charge) <ul style="list-style-type: none"> <li>•High-security, T-Handle Abloy cylinder lock, removable plug-type cylinder. Locker is recessed in the door face.</li> <li>•Heavy duty stainless steel padlock handle will accommodate high security padlocks. Padlock not included.</li> </ul>

Color options:



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