

Specification

Safety Shower with Solar Chiller

For hot weather places where has no grid power, or seeking green power for emergency tank showers, our Safety Shower with Solar Chiller, without the need for power from other sources, is a perfect solution.

The system mainly includes: Safety shower & tank, Chiller, Battery pack, Inverter and PV panels. The Chiller and power supply package have explosion proof version and regular version available for your selection. The PV panels can be located besides the safety shower, or above the safety shower as a shelter, blocking the sunshine and rain.

- Standalone package, no outside power or electricity required
- Energy saving and environmentally friendly
- The Solar power package can be used for your existing traditional safety showers.



Key Data

Safety Shower	
Main Materials:	Frame&Legs&valves: Stainless Steel 304, Tank: SS/MDPE&FRP
Tank Capacity:	1500L
Operation Pressure: :	1/6 bar
Minimum Flow Rates: :	Shower: 76L/m, Eye Wash: 12L/m
Water Inlet/outlet Temperature:	0-60Degree C/16-38 Degree C
Operation Methods:	Shower: Pull Rod/Eye Wash: Hand push / Foot Pedal
Ambient Temperature:	0 Degree C to 40 Degree C, and 55 Degree C with Chiller
Options Available:	Voice alarm and light alarm, Temporary waste water collection pallet, Scaled valve, Etc.
Chiller	
Cooling Capacity:	Customized
Power Supply:	220/50Hz
Rated Power(total):	Customized
Refrigerant	R407C/R134A
Ex. Proof Class:	ExdibmbII BT4Gb –
Solar Power Supply Package	
Battery Capacity:	Customized
Battery Type:	Lithium
Battery Working Temperature:	-20 to 60 Degree C
Battery allowed Current:	150A
Inverter Module Capacity:	15kW
Inverter Module Power Output	220V/50Hz
Inverter Module Working Temperature:	-20 to 55 Degree C
Solar Panels:	Around 15m2 in total.
Ex. Proof Class:	Battery & Inverter Module in a package Ex. Proof, ExdibmbII BT4Gb –
Installation and Commission	
Installation:	Following installation instruction of manufacture r
Commission Time	For initial installation, need 2 days for the battery to be fully charged and cool down initial water
Weight&Dimension(L*W*H)	1150*1500*4350