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## Shanghai Solarpanels Co., Ltd.

### Vacuum Tube Heat Pipe Collectors

#### NEW RUBY series

With national patents Double-Contact™ heat pipes and manifolds

#### Introduction

Vacuum tube collectors have more advantage than normal flat copper plate collectors, because vacuum tubes withstand much lower temperature, have higher absorber efficiency and much lower emission efficiency.

Yet, the popular designs of vacuum tube collectors are not modular type. End users must assemble the tubes one by one on installation sites. It takes a lot of time, the tubes are easily broken, and the heat pipes may not contact well with manifolds.

To solve this problem, we developed this **NEW RUBY** series, it features:

- Modular type: easy handling, safe transportation
- Pre assembled: secure output
- Double-Contact™ heat pipes and manifolds: higher efficiency, more fluent manifolds, longer product life
- Easy repair: screw fastened low end frame, easy exchange of tubes
- Elegant appearance: dark blue or black color frame, with dark blue glass tubes
- Four models: 10, 12, 14, 15 tubes, easy combination of any output

#### Specifications:

Model	Dimensions	Vacuum tubes	Heat pipes	Collector area (m <sup>2</sup> )	Total weight (Kg)	Average hot water output
RUBY15	1720*980*76	15	15	1.5	34	150
RUBY14	1720*920*76	14	14	1.4	31	140
RUBY12	1720*800*76	12	12	1.2	28	120
RUBY10	1720*680*76	10	10	1.0	26	100

