

Solar Selector

Clearline®

If designing for a specific energy target, contact Technical Support at Viridian Solar

1 Panels

Household Size			
Recommended Panel Area	2-3 sq m	3-4 sq m	4-6 sq m

2 sq m

V20
V 2 0 - 1

3 sq m

V15 V15
V 1 5 - 2

4 sq m

V20 V20
V 2 0 - 2

V30
V 3 0 - 1

6 sq m

V15 V15 V15 V15
V 1 5 - 4

V30 V30
V 3 0 - 2

V20 V20 V20
V 2 0 - 3

2 Roofing

V - - - - J
Panels joined together

V - - - - A
Panels spaced apart

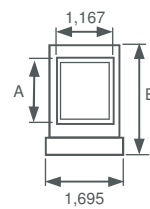
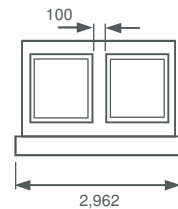
V - - - - T
Tiled roof

Plain and interlocking tiles thicker than 19mm

V - - - - S
Slate roof

Slates and tiles thinner than 10mm, for interlocking slates - please call

Dimensions (mm)



	A	B
V15	1,479	1,987
V20	2,043	2,551
V30	2,892	3,397

3 Plumbing Kit

3a. Choose a plumbing kit

Pipes can be installed with a continuous fall and height restrictions are met. Choose simple drain-back plumbing kit

V 2 0 0

Pipes cannot be installed with a continuous fall or height restrictions not met. Choose pressurised plumbing kit

V 2 6 0

3b. First Fix Kit

20m signal cable to connect from solar panel temperature sensor to control unit.

Order at least one kit, order additional kits if further signal cable length is required.

V 2 2 3

3c. Solar-optimised hot water cylinder

Recommended cylinder sizes:

Solar Panel Area (m ²)	Dedicated Solar Volume (litres)	Boiler Heated Volume (litres)	Total Cylinder Volume (litres)	Product Code
2	75	75	150	V515
3	100	100	200	V520
4	110	140	250	V525
6	110	190	300	V530

Please check that boiler heated volume is of adequate size for days with limited solar energy

V 5 - -

Worked Example

- Family of 4 people with a SW facing roof pitch. Choose 3 sq m. Limited roof length above dormer windows, choose 2 V15 panels
V 1 5 - 2 - - - R
- Preference for look of spaced apart panels.
V 1 5 - 2 - A - R
- Slate roof covering, completes roofing kit code
V 1 5 - 2 - A S R
- Top of panel is more than 4.5m higher than controller select V260, signal cable < 20m single first fix kit
V 2 6 0 , V 2 2 3
- Solar hot water cylinder is required, select V520 based on solar panel area
V 5 2 0

Order:

Roofing Kit V - - - - R

First Fix Kit V 2 2 3 x -

Plumbing Kit V 2 - 0

Solar cylinder V 5 - -

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