

Selective collectors EPI – NV

Solar keymark certified

TECHNICAL DESCRIPTION

Collector casing	<i>From special aluminum alloy (Al Mg Si 0.5) oven painted with electrostatic painting Seaside Class</i>
Selective aluminum absorber	<i>welded onto the pipes with laser</i>
Absorptipon coefficient	$a \geq 0.95 \pm 0.02$
Emmision coefficient	$\varepsilon \leq 0.05 \pm 0.02$
Headers	<i>copper pipes \varnothing 22mm</i>
Manifolds (risers)	<i>copper pipes \varnothing 10mm</i>
Glass cover	<i>prismatic 3,2mm thick, low iron</i>
Trasmissivity of glass cover	$\tau \geq 0.90$
Back plate	<i>aluminun sheet</i>
Insulation	<i>30mm thick rock wool with thermal conductivity $\lambda=0.035$ W/m grd (0°C)</i>
Sigilant	<i>black silicon</i>

SOLAR KEYMARK

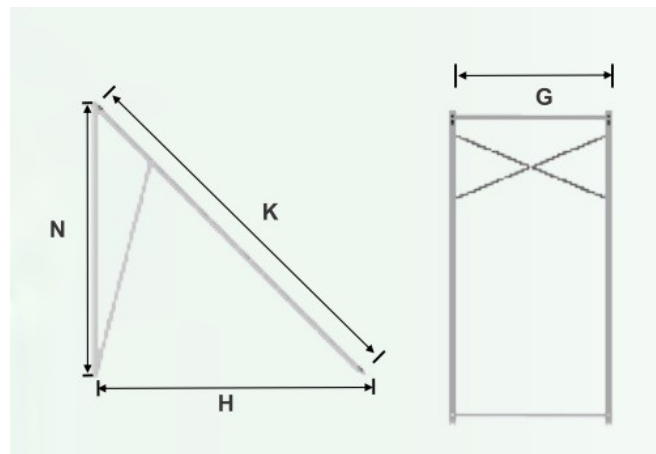


TECHNICAL CHARACTERISTICS

EPI CS SOLAR COLLECTOR

MODEL	POSITIONING	DIMENSIONS L X H X W mm	GROSS AREA m ²	APERTURE AREA m ²	CAPACITY L	WEIGHT kg
EPI 25 CS	VERTICAL	1000 x 2000 x 90	2	1,768	1,435	37,5
EPI 54 CS	VERTICAL	1260 x 2000 x 90	2,52	2,26	1,7	47
EPI 56 CS	VERTICAL	1500 x 2000 x 90	3	2,63	1,98	58

CODE 1 COLLECTOR	CODE 2 COLLECTORS	MODEL	POSITIONING	DIMENSIONS				1 COLLECTOR	2 COLLECTORS
				LXHLW	K	H	N	I	I
				mm	mm	mm	mm	mm	mm
BSP24	BSP29	EPI 25 CS	VERTICAL	1000 x 2000 x 90	2000	2013	1400	860	1040
BSP24	-	EPI 54 CS	VERTICAL	1260 x 2000 x 90	2000	2013	1400	860	1040
BSP24	-	EPI 56 CS	VERTICAL	1500 x 2000 x 90	2000	2013	1400	860	1040



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ALUMINIUM MADE BASE GROUND TYPE

CODE FOR ONE COLLECTOR	CODE FOR TWO COLLECTORS	MODEL	POSITIONIG	DIMENSIONS L-H-W mm	K mm	I mm	I mm
BSP7152	BSP7157	EPI 20 NV	VERTICAL	1000 x 1500 x 85	1670	860	1080
BSP7154	BSP7159	EPI 30 NV	VERTICAL	1300 x 1500 x 85	1670	860	1080
BSP7152	BSP7157	EPI 25 NV	VERTICAL	1000 x 2000 x 85	2170	860	1080
BSP7155	-	EPI 25 NV	HORIZONTAL	2000 x 1000 x 85	1170	1080	-
BSP7153	BSP7158	EPI 16 NV	VERTICAL	1180 x 1900 x 85	2070	860	1080
BSP7161	-	EPI 16 NV	HORIZONTAL	1900 x 1180 x 85	1320	1080	-
BSP7154	BSP7159	EPI 54 NV	VERTICAL	1260 x 2000 x 85	2170	860	1080
BSP7151	-	EPI 56 NV	VERTICAL	1500 x 2000 x 85	2170	860	-
BSP7155	-	EPI 56 NV	HORIZONTAL	2000 x 1500 x 85	1670	860	-

CODE 1 COLLECTOR	CODE 2 COLLECTORS	MODEL	POSITIONIN G	DIMENSIONS				1 COLLECTOR	2 COLLECTORS
				LXHLW	K	H	N	I	I
BSP24	BSP29	EPI 25 CS	VERTICAL	1000 x 2000 x 90	200 0	201 3	140 0	860	1040
BSP24	-	EPI 54 CS	VERTICAL	1260 x 2000 x 90	200 0	201 3	140 0	860	1040
BSP24	-	EPI 56 CS	VERTICAL	1500 x 2000 x 90	200 0	201 3	140 0	860	1040