HTW
QUALITY COMFORT EVERYWHERE

HPWH RANGE

The Solar Keymark
CEN Keymark Scheme

R-32

3 YEARS WARRANTY TOTAL QUALITY COMMITMENT

A+++ EER

EER 5,55

COP 5,20



ECO-THERMAL

BIBLOCK PLUS

WiFi INCLUDED — Modbus gateway — Wiring control — DC inverter Compressor and fans — MODE Several modes — Hight protection — Anti-legionella function — Smart grid — Compact design — Cold and heat mode — Amplio Wide range of functioning — Higher efficiency to low temperature — °C 5~60 Configurable range of temperature

MODEL		OU	HTW-V4WD2KPLUS	HTW-V8WD2KPLUS	HTW-V12WD2KPLUS	HTW-V16WD2KPLUS	HTW-V16WD2RKPLUS
		IU	HTW-A60CGN8PLUS	HTW-A100CGN8PLUS	HTW-A160CGN8PLUS	HTW-A160CGN8PLUS	HTW-A160CGN8PLUS
EAN CODE			8435483831599	8435483831605	8435483831612	8435483831629	8435483831636
Power Supply (outdoor)		V,Ph,HZ	220-240V (1 Phase ~ 50Hz)				380-415V (3 Phase ~ 50Hz)
PERFORMANCE							
Heating[1]	Capacity	kW	4,25	8,30	12,1	16,0	16,0
	Nominal input	kW	0,82	1,60	2,44	3,56	3,56
	COP	-	5,20	5,20	4,95	4,50	4,50
Heating[2]	Capacity	kW	4,35	8,20	12,3	16,0	16,0
	Nominal input	kW	1,14	2,08	3,24	4,44	4,44
	COP	-	3,80	3,95	3,80	3,60	3,60
Heating[3]	Capacity	kW	4,40	7,50	12,0	16,0	16,0
	Nominal input	kW	1,49	2,36	3,87	5,52	5,52
	COP	-	2,95	3,18	3,10	2,90	2,90
Refrigeration[4]	Capacity	kW	4,50	8,40	12,00	14,90	14,90
	Nominal input	kW	0,81	1,66	3,00	4,38	4,38
	EER	-	5,55	5,05	4,00	3,40	3,40
Refrigeration[5]	Capacity	kW	4,70	7,40	11,6	14,0	14,0
	Nominal input	kW	1,36	2,19	4,22	5,71	5,71
	EER	-	3,45	3,38	2,75	2,45	2,45
Seasonal space heating energy efficiency class[7]	LWT at 35°C	-	A+++	A+++	A+++	A+++	A+++
	LWT at 55°C	-	A++	A++	A++	A++	A++
SCOP[7]	LWT at 35°C	-	4,85	5,21	4,81	4,62	4,62
	LWT at 55°C	-	3,31	3,36	3,45	3,41	3,41
SEER	LWT at 7°C	-	4,99	5,83	4,89	4,69	4,67
	LWT at 18°C	-	7,77	8,95	7,1	6,75	6,71
MOP(Maximum overcurrent protection)		A	18	19	30	30	14
MCA(Minimum circuit amps)		A	12	16	25	27	12
Operating temperature range	Refrigeration	°C	5 to 25				
	Heating	°C	25 to 65				
	SHW	°C	30 to 60				
FEATURES							
Compressor	Type	-	Twin rotary DC inverter				
Outdoor fan	Motor type	-	Brushless DC motor				
	Number of fans	-	1				
Heat exchanger (air side)		-	Finned tube				
Refrigerant	Type	-	R32				
	Charged	kg	1,50	1,65	1,84	1,84	1,84
Throttle type		-	Electronic expansion valve				
DIMENSIONS AND WEIGHT							
Net dimensions (WxHxD)		mm	1008x712x426	1118x865x523	1118x865x523	1118x865x523	1118x865x523
Gross dimension (WxHxD)		mm	1065×800×485	1180×890×560	1180×890×560	1180×890×560	1180×890×560
Net/gross weight		Kg	58/64	77/88	96/110	96/110	112/125
CONNECTIONS							
Piping connections	Type	-	Flare				
	Liquid Dia.	(OD)	6.35Ø	9.52Ø	9.52Ø	9.52Ø	9.52Ø
	Gas Dia.	(OD)	15.9Ø	15.9Ø	15.9Ø	15.9Ø	15.9Ø
Piping length	Min.-Max	m	2-30	2-30	2-30	2-30	2-30
Height difference Outdoor	Unit above-unit below	m	20-20	20-20	20-20	20-20	20-20

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			IU	HTW-AV4WD2N8PLUS	HTW-AV8WD2N8PLUS	HTW-AV12WD2N8PLUS	HTW-AV16WD2N8PLUS	HTW-AV16WD2RN8PLUS
EAN CODE				8435483831568	8435483831575		8435483831582	
Power Supply (indoor)			V,Ph,HZ	220-240V (1 Phase ~ 50Hz)				
PERFORMANCE								
Leaving water temperature	Space heating		°C	5 ~ 25				
	Heating		°C	25 ~ 65				
	DHW tank		°C	40 ~ 60				
Sound power level			dB(A)	38	42	43	43	43
DIMENSIONS AND WEIGHT								
Net dimensions (W×H×D)			mm	420×790×270				
Gross dimensions (W×H×D)			mm	525×1050×360				
Net/gross poids			Kg	37/43	37/43	39/45	39/45	39/45
CONNECTIONS								
Water circuit	Piping connections		inch	R1"				
	Safety valve set pressure		Mpa	0,3				
	Drainage pipe connection		mm	Ø25				
	Expansion tank	Volume	L	8,0				
		Max. water sure	Mpa	0,3				
		Pre-pressure	Mpa	0,1				
	Heat exchanger (water)	Type		Plate type				
	Water pump head		m	9				
Refrigeration circuit	Liquid Dia. (OD)		mm	Ø6,35	Ø9,52	Ø9,52	Ø9,52	Ø9,52
	Liquid Dia. (OD)		mm	Ø15,9				

SET	HTW-V4WD2KPLUS	HTW-V8WD2KPLUS	HTW-V12WD2KPLUS	HTW-V16WD2KPLUS	HTW-V16WD2RKPLUS
Indoor Unit					
	HTW-A60CGN8PLUS	HTW-A100CGN8PLUS	HTW-A160CGN8PLUS	HTW-A160CGN8PLUS	HTW-A160CGN8PLUS
Outdoor Unit					
	HTW-AV4WD2N8PLUS	HTW-AV8WD2N8PLUS	HTW-AV12WD2N8PLUS	HTW-AV16WD2N8PLUS	HTW-AV16WD2RN8PLUS

Notes model outdoor:

1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H .; EWT 30°C / LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H .; EWT 40°C / LWT 45°C.
4. Outdoor air temperature 7°C DB, 85% R.H .; EWT 47°C / LWT 55°C.
5. Outdoor air temperature 35°C DB, EWT 23°C / LWT 18°C.
6. Outdoor air temperature 35°C DB, EWT 12°C / LWT 7°C.
7. Seasonal space heating energy efficiency class tested in average climate conditions.
8. Test standard: EN12102-1.

Notes model indoor:
Test standard: EN12102-1

SOLAR KEYMART CERTIFICATION		
Code	Component code	Registration number
HTW-V4WD2KPLUS	HTW-A60CGN8PLUS HTW-AV4WD2N8PLUS	041-K007-03
HTW-V8WD2KPLUS	HTW-A100CGN8PLUS HTW-AV8WD2N8PLUS	041-K007-06
HTW-V12WD2KPLUS	HTW-A160CGN8PLUS HTW-AV12WD2N8PLUS	041-K007-09
HTW-V16WD2KPLUS	HTW-A160CGN8PLUS HTW-AV16WD2N8PLUS	041-K007-09
HTW-V16WD2RKPLUS	HTW-A160CGN8PLUS HTW-AV16WD2RN8PLUS	041-K007-09

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