



THE POWER OF
THE BEST SOLAR PUMPING

www.proindexsa.com

THE COMPLETE PUMPING SUPPLY

At PYD Electrobombas, we have extensive experience in the design and manufacturing of pumping solutions. Since 1975, we have developed equipment for irrigation systems, wells, domestic supply, industrial use, and fire-fighting systems, bringing reliability and quality to the sector.

Throughout these years, we have maintained a single purpose: to provide pumping solutions adapted to every need. Today, that experience joins the potential of solar energy, integrating it into our systems to offer more efficient, sustainable, and accessible alternatives to those who need them.

Our solar pumping units combine high-performance motors and hydraulics with MPPT controllers designed to work with both photovoltaic energy and electrical supply (AC/DC).

Reliable pumping equipment, easy to install and with minimal maintenance, ideal for wells, agricultural irrigation, livestock, orchards, farms, and off-grid applications.

At PYD Electrobombas, we help you select the most suitable solution based on your flow rate, head, and well conditions, supporting you throughout the entire process.

Contact us without obligation for more information about our solar pumping systems.

(+34) 968 880 852

proindecsa@proindecsa.com



CONTENTS

04

Well pumping

- GSTH series
- GSPRO series
- GSSP series
- GVS series

21

Solar control panels

- Estándar series
- Estándar+ series
- Serie Pro series

26

Horizontal pumping

- Sol-Pool series
- Sol-Inox series



GSTH SERIES

Solar pumping set consisting of a helical screw electric pump, a permanent magnet synchronous motor (PMSM), and a DC controller.

Available in
2" 3" 4"



CONTROLLER



Housing and screws in
304 STAINLESS STEEL

HELICAL SCREW

PERMANENT MAGNET SYNCHRONOUS MOTOR

High efficiency and performance

MATERIALS

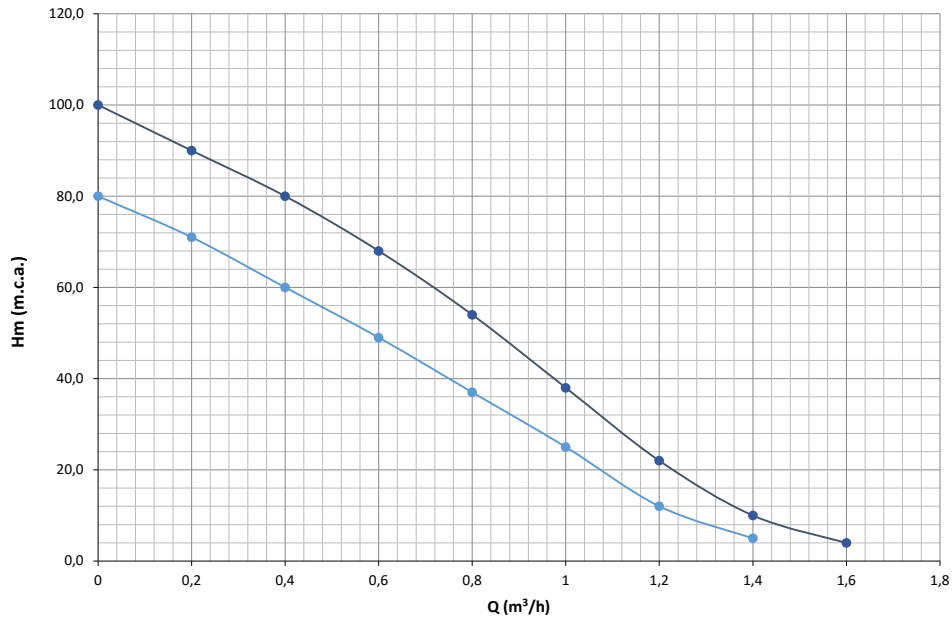
- Housing: 304 Stainless Steel
- Shaft: Magnetic Steel
- Screws: 304 Stainless Steel
- Base: Cast Iron
- Mechanical seal: Silicon

OPERATING RANGE

- Power range: 0,21 - 1,0 kW
- Chemically and mechanically water: **Non-aggressive**
- Solids content: < 50 g/m³

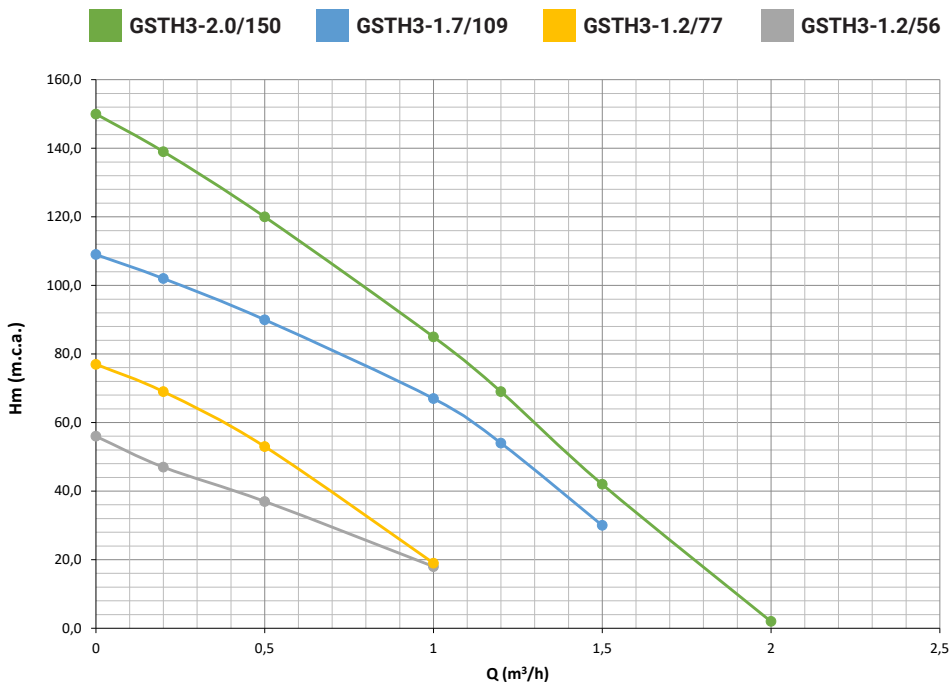
GSTH2-1.5/77

GSTH2-1.7/100



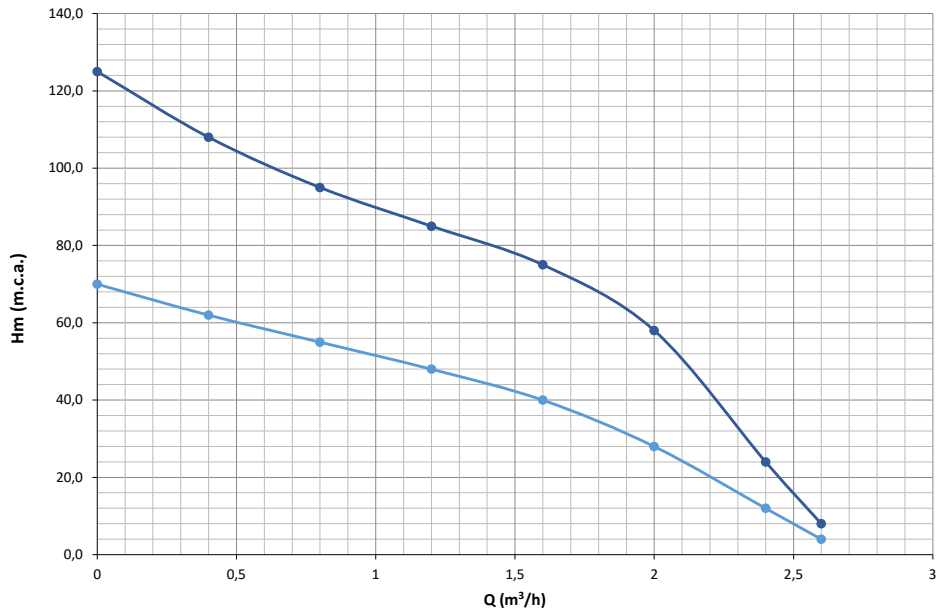
GSTH2

MODEL	ND	VOLTAGE	PANELS	MOTOR P		Ø	FLOW RATE									
				kW	Hp		m³/h	0	0,2	0,4	0,6	0,8	1	1,2	1,4	1,6
GSTH2-1.5/77	3/4	18-60	1 X 550W	0,21	0,28	50	77	71	60	49	35	25	10	5		
GSTH2-1.7/100	3/4	30-110	2 X 550W	0,5	0,67	50	100	90	80	71	54	35	19	10	4	



GSTH3

MODEL	ND	VOLTAGE	PANELS	MOTOR P		Ø	FLOW RATE									
				kW	Hp		m³/h	0	0,2	0,5	1	1,2	1,5	2		
GSTH3-1.2/56	3/4	18-60	1 X 550W	0,12	0,16	80	56	40	37	18						
GSTH3-1.2/77	3/4	18-60	1 X 550W	0,21	0,28	80	77	60	55	19						
GSTH3-1.7/109	3/4	30-110	2 X 550W	0,5	0,67	80	109	98	90	67	59	30				
GSTH3-2.0/150	3/4	50-170	3 X 550W	0,75	1	80	150	139	125	88	62	33	2			

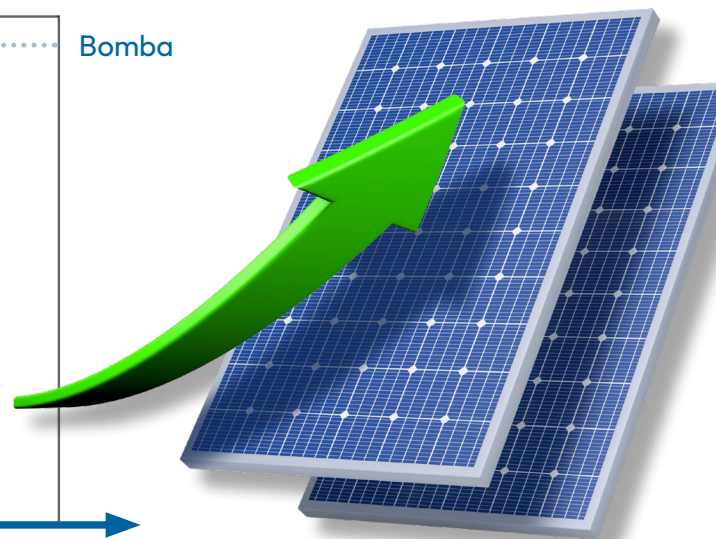
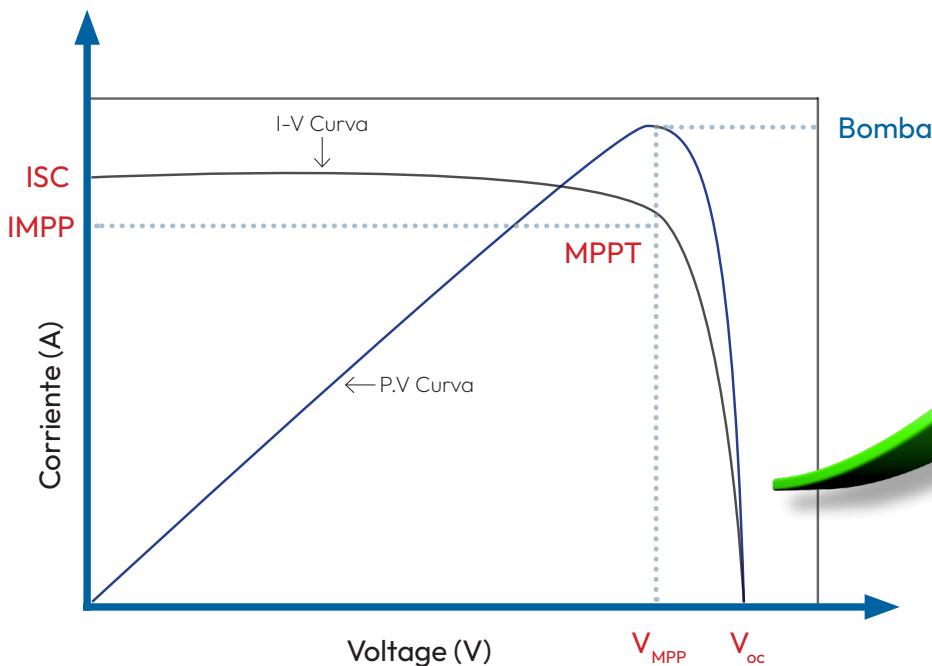


GSTH4

MODEL	ND	VOLTAGE	PANELS	MOTOR P		Ø	FLOW RATE							
				kW	Hp		m³/h	0	0,4	0,8	1,2	1,6	2	2,4
GS-4TH-06/48-500	1	30-110	2 X 550W	0,5	0,67	100	70	62	55	48	40	28	12	4
GS-4TH-07/110-1000	2	60-200	4 X 550W	1	1,3	100	125	108	95	85	75	58	24	8

Maximum Power Point Tracking

The MPPT point, or Maximum Power Point Tracking, is the process through which a solar hydraulic pumping system optimizes the operation of the solar panels and the pump to achieve maximum output power and efficiency. This is accomplished by constantly adjusting the system's operation to stay near the solar panels' maximum power point, thereby maximizing both electrical energy production and the system's pumping capacity.



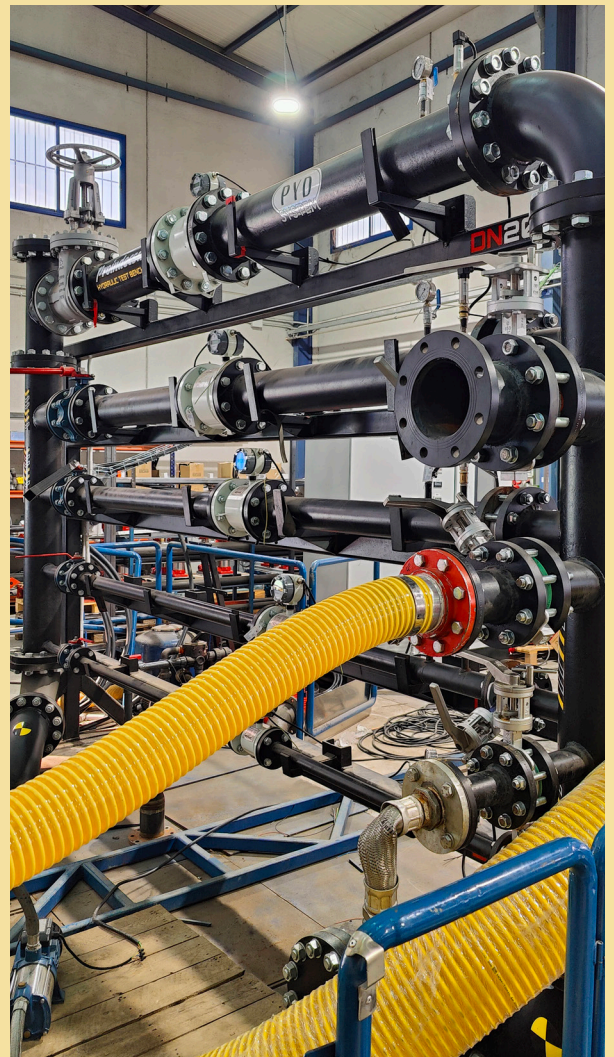


QUALITY CONTROL

At PYD, we have our own hydraulic test bench, designed to guarantee maximum reliability and quality for all our equipment. This system has a measurement capacity of up to 40 bar of pressure and a flow rate of 700 m³/h, allowing us to verify the actual performance and behavior of every pump before delivery.

Furthermore, we have our own solar panel installation dedicated to the testing and calibration of solar pumping systems. This enables us to validate their operation under real working conditions and optimize the performance of both the controllers and the photovoltaic equipment.

Thanks to these facilities, we can provide our customers with proven, precise, and customized solutions for every application, backed by a rigorous testing and quality control process.





GSEASY SERIES

Solar pumping set with a multistage centrifugal electric pump and a permanent magnet synchronous motor (PMSM) with an internal AC/DC

Available in
4"

Entirely manufactured in
304 STAINLESS STEEL



DIRECT CONNECTION

The motor's internal electronics allow it to be connected directly to the power source (AC or DC).
For DC, depending on the solar energy supplied, the motor adapts its power from 0.5 HP to 3 HP.

CONTROLLER (OPTIONAL)

Allows the unit to automatically select the power source, alternating between AC/DC.



PERMANENT MAGNET SYNCHRONOUS MOTOR

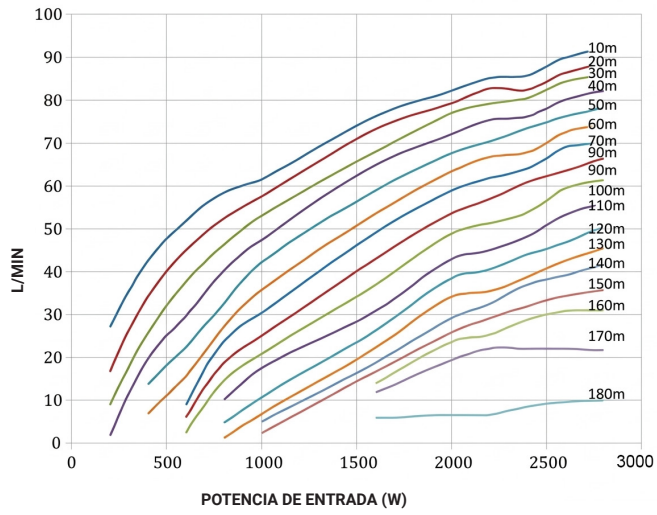
High efficiency and performance

MATERIALS

- Suction body: **304 Stainless Steel**
- Discharge body: **304 Stainless Steel**
- Check valve **304 Stainless Steel**
- Shaft: **304 Stainless Steel**
- Impellers/diffusers: **304 Stainless Steel**

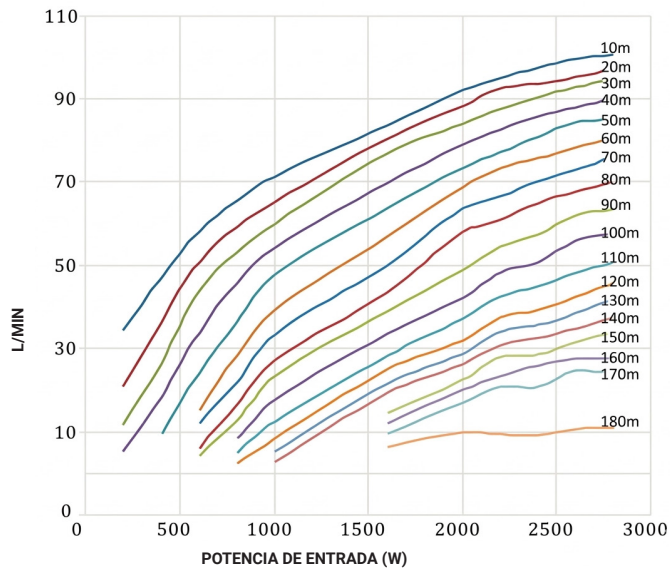
OPERATING RANGE

- Power range: **0,5 - 3,0 HP**
- Chemically and mechanically water: **Non-aggressive**
- Solids content: **< 50 g/m³**



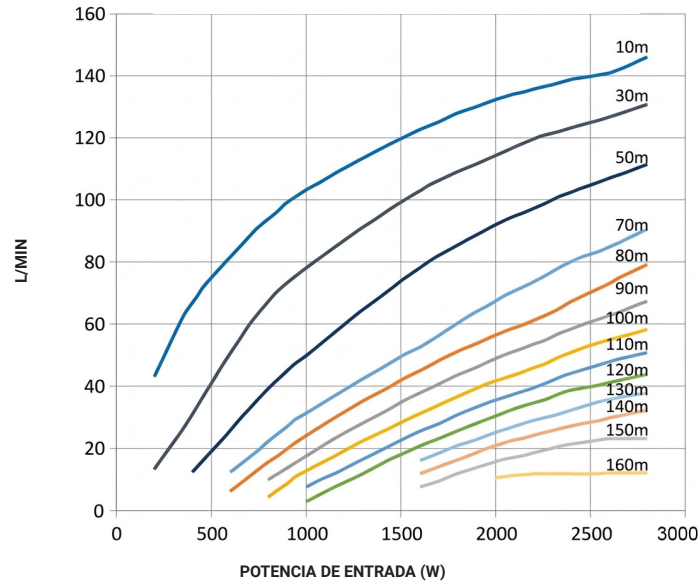
GSEASY/2

MODEL	ND Ø"	CURRENT	PANELS N°	MOTOR P HP	Ø"	FLOW RATE				
						m ³ /h	l/min	HEAD OF WATER IN METERS		
GSEASY/2-18	1 ¼	AC/DC	1 x 550W	0,5-3	100	0,6	1,2	2,4	3,6	4,8
			2 x 550W			10	20	40	60	80
			3 x 550W			61	48	20		
			4 x 550W			121	95	54	15	
			5 x 550W			171	130	80	45	5
			175	168	118	69	20			
			179	171	132	95	35			



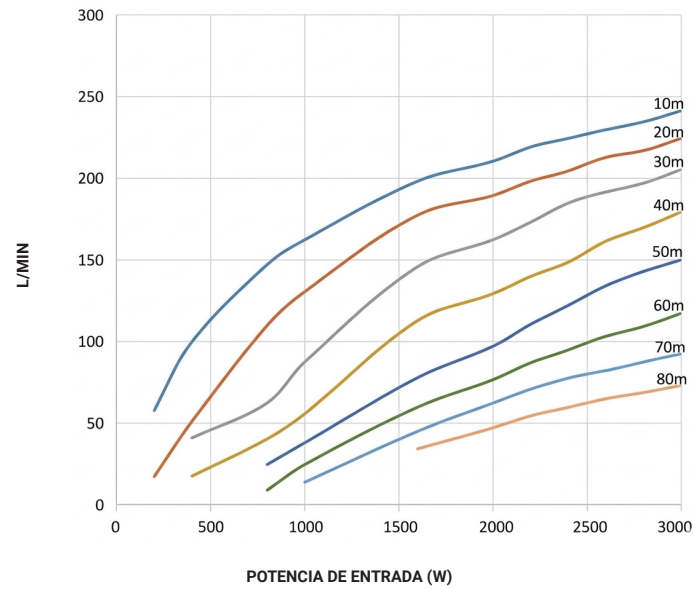
GSEASY/3

MODEL	ND Ø"	CURRENT	PANELS N°	MOTOR P HP	Ø"	FLOW RATE				
						m ³ /h	l/min	HEAD OF WATER IN METERS		
GSEASY/3-18	1 ¼	AC/DC	1 x 550W	0,5-3	100	0,6	1,8	3	4,2	5,4
			2 x 550W			10	30	50	70	90
			3 x 550W			55	35	15		
			4 x 550W			118	75	48	11	
			5 x 550W			165	101	67	36	5
			180	125	88	57	15			
			180	150	105	73	33			



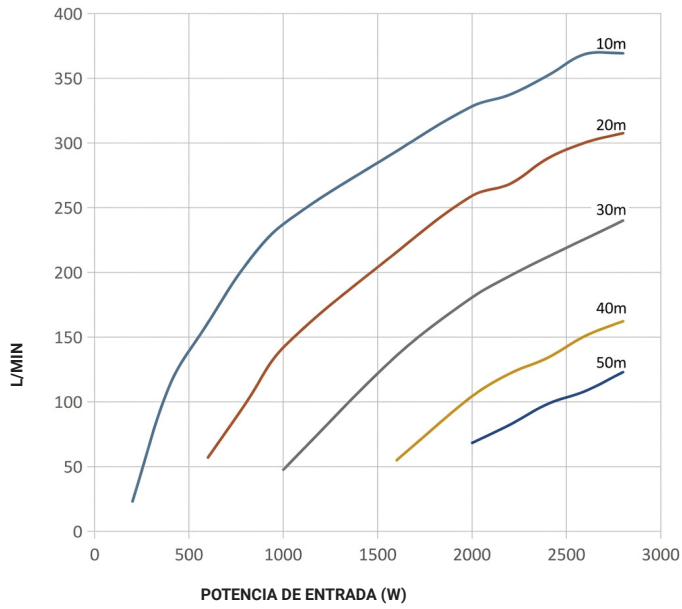
GSEASY/5

MODEL	ND Ø"	CURRENT	PANELS Nº	MOTOR P HP	Ø" mm	FLOW RATE							
						m³/h	2,4	3,6	4,8	6	7,2	8,4	
GSEASY/5-15	1 1/2	AC/DC	1 x 550W	0,5 - 3	100	HEAD OF WATER IN METERS							
			2 x 550W			50	30	17	8				
			3 x 550W			89	60	46	29	11			
			4 x 550W			115	82	63	47	30	10		
			5 x 550W			142	104	78	60	46	27		
					155	120	90	72	55	35	10		



GSEASY/8

MODEL	ND Ø"	CURRENT	PANELS Nº	MOTOR P HP	Ø" mm	FLOW RATE				
						m³/h	6	9	12	15
GSEASY/8-8	2	AC/DC	1 x 550W	0,5 - 3	100	HEAD OF WATER IN METERS				
			2 x 550W			29	12			
			3 x 550W			42	28	14		
			4 x 550W			62	42	27		
			5 x 550W			79	49	34	15	
			6 x 550W			88	68	50	32	10



GSEASY/14

MODEL	ND Ø"	CURRENT	PANELE	MOTOR P	Ø"
			Nº	HP	mm
GSEASY/14-4	2	AC/DC	1 x 550W	0,5 - 3	100
			2 x 550W		100
			3 x 550W		100
			4 x 550W		100
			5 x 550W		100

m³/h l/min	FLOW RATE					
	3	6	9	12	15	21
50	100	150	200	250	350	
HEAD OF WATER IN METERS						
	19	15	8			
	30	24	19	14		
	39	32	26	20	15	
	50	41	34	25	21	
	50	50	39	33	27	11





GSSP SERIES

Solar pumping set consisting of a 304 stainless steel multistage centrifugal electric pump, a permanent magnet synchronous motor (PMSM), and an AC/DC controller.

Available in
3" 4"

Entirely manufactured in
304 STAINLESS STEEL



SP SERIES
Multistage centrifugal electric pump.



AC/DC CONTROLLER
Allows for automatic switching between AC and DC power supply.

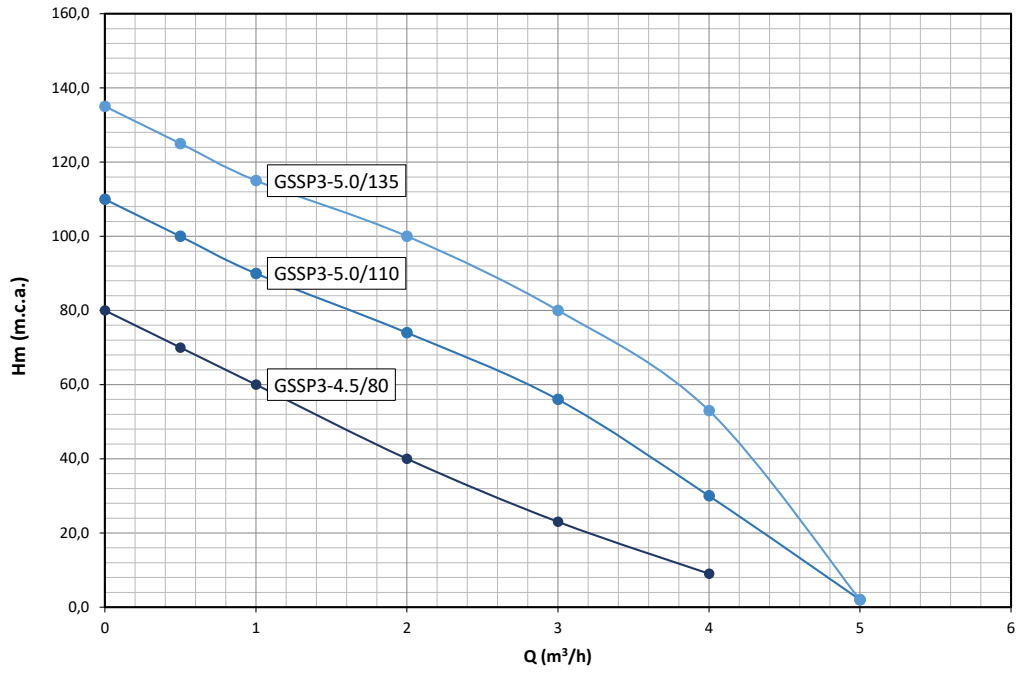
PERMANENT MAGNET SYNCHRONOUS MOTOR
High efficiency and performance

MATERIALS

- Suction Body: **304 Stainless Steel**
- Discharge Body: **304 Stainless Steel**
- Check Valve: **304 Stainless Steel**
- Shaft: **304 Stainless Steel**
- Impellers: **304 Stainless Steel**
- Diffusers: **304 Stainless Steel**

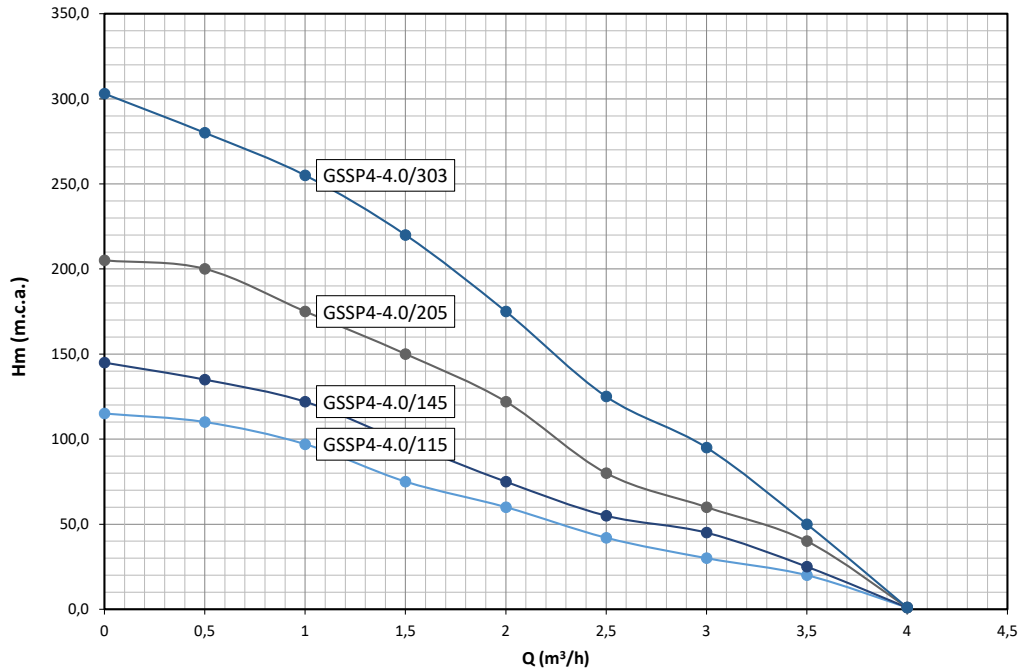
OPERATING RANGE

- Power Range: **0.60 - 3 kW**
- Chemically and mechanically water: **Non-aggressive**
- Solids content: **< 50 g/m³**
- Protection degree: **IP68**
- Insulation: **Class F**



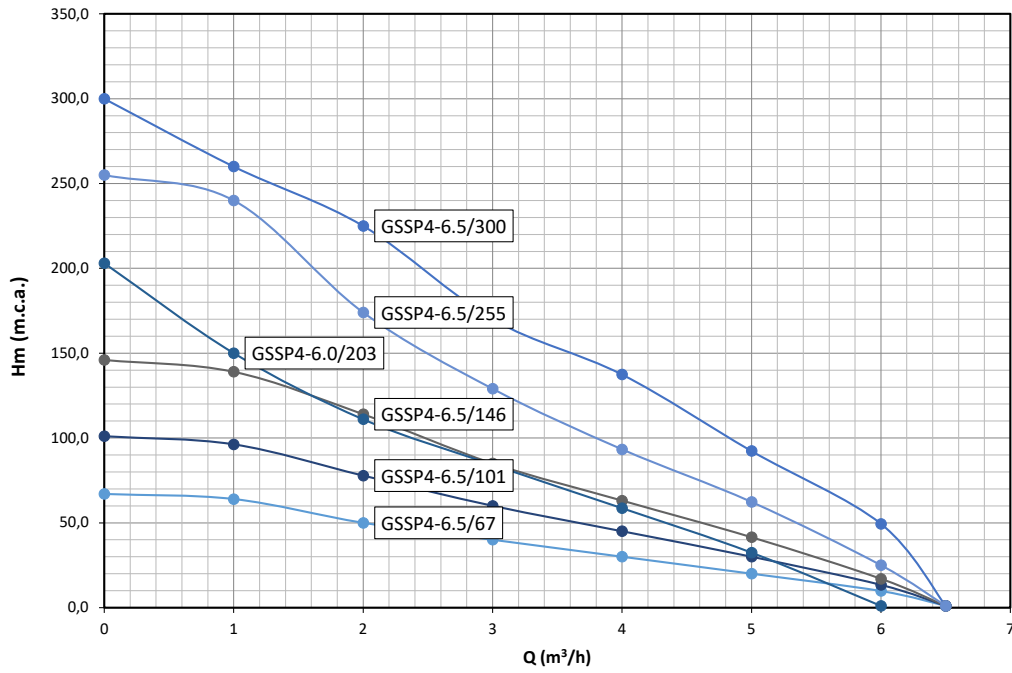
GSSP3

MODEL	ND Pump Ø"	ND Imp. Ø"	PANELS N°	MOTOR P kW Hp		FLOW RATE							
						HEAD OF WATER IN METERS							
						m³/h	0	0,5	1	2	3	4	5
GSSP3-4.5/80	3	1 1/4	3 X 550W	0,6	0,8	80	70	57	40	23	9		
GSSP3-5.0/110	3	1 1/4	4 X 550W	1,1	1,5	110	100	95	74	56	30	2	
GSSP3-5.0/135	3	1 1/4	5 X 550W	1,5	2	135	125	115	105	80	53	2	



GSSP4

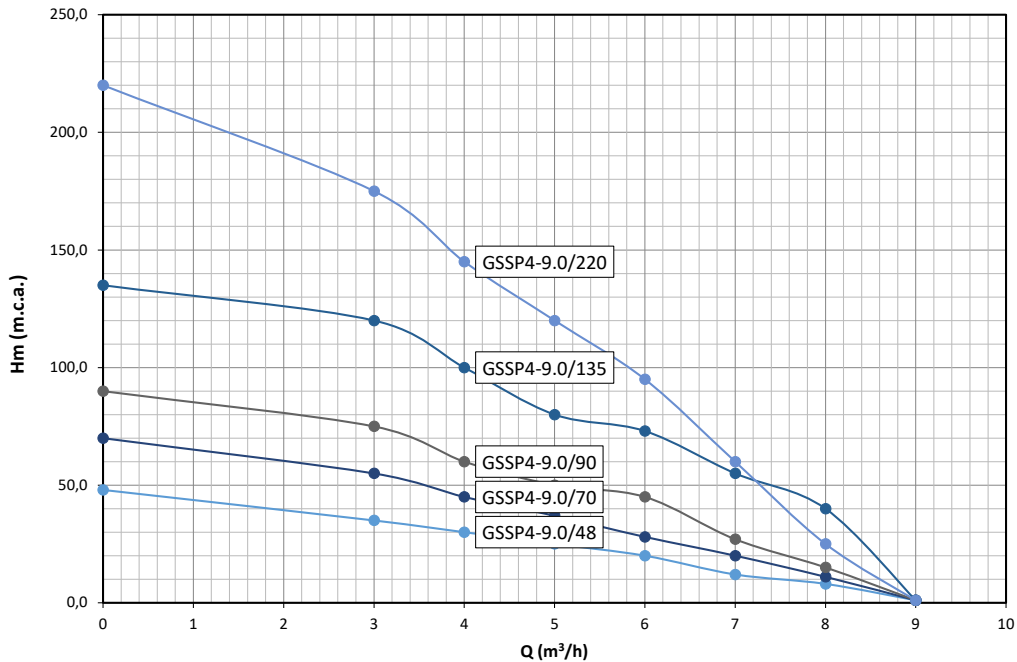
MODEL	ND Pump Ø"	ND Imp. Ø"	PANELS N°	MOTOR P kW Hp		FLOW RATE								
						HEAD OF WATER IN METERS								
						m³/h	0	0,5	1	1,5	2	2,5	3	3,5
GSSP4-4.0/115	4	1 1/4	3 X 550W	0,75	1,1	115	110	97	75	60	42	30	20	1
GSSP4-4.0/145	4	1 1/4	4 X 550W	1,1	1,5	145	135	122	98	75	55	45	25	1
GSSP4-4.0/205	4	1 1/4	5 X 550W	1,5	2	205	200	175	150	122	80	60	40	1
GSSP4-4.0/303	4	1 1/4	7 X 550W	2,2	3	303	280	255	220	175	125	95	50	1



GSSP4

MODEL	ND Pump	ND Imp.	PANELS	MOTOR P	
	Ø"	Ø"		kW	Hp
GSSP4-6.5/67	4	1 1/4	3 X 550W	0,75	1,1
GSSP4-6.5/101	4	1 1/4	4 X 550W	1,1	1,5
GSSP4-6.5/146	4	1 1/4	5 X 550W	1,3	1,75
GSSP4-6.0/203	4	1 1/4	5 X 550W	1,5	2
GSSP4-6.5/255	4	1 1/4	7 X 550W	2,2	3
GSSP4-6.5/300	4	1 1/4	8 X 550W	3	4

		FLOW RATE									
		m³/h	0	1	2	3	4	5	6	6,5	
		l/min	0	16,7	33,3	50	66,7	83,3	100	108,3	
		HEAD OF WATER IN METERS									
GSSP4-6.5/67		67	64	50	40	30	17	5	1		
GSSP4-6.5/101		101	95	76	60	45	30	9	1		
GSSP4-6.5/146		146	145	120	85	60	45	15	1		
GSSP4-6.0/203		203	150	120	85	55	30	1			
GSSP4-6.5/255		255	245	175	125	90	55	25	1		
GSSP4-6.5/300		300	255	225	170	140	90	50	1		



GSSP4

MODELO	DN Bomba	DN Imp.	PANELES	MOTOR P	
	Ø"	Ø"		kW	Hp
GSSP4-9.0/48	4	2	3 X 550W	0,75	1,1
GSSP4-9.0/70	4	2	4 X 550W	1,1	1,5
GSSP4-9.0/90	4	2	5 X 550W	1,3	1,75
GSSP4-9.0/135	4	2	5 X 550W	1,5	2
GSSP4-9.0/220	4	2	7 X 550W	2,2	3

		FLOW RATE									
		m³/h	0	3	4	5	6	7	8	9	
		l/min	0	50	66,7	83,3	100	116,7	133,3	150	
		HEAD OF WATER IN METERS									
GSSP4-9.0/48		48	35	30	25	20	12	8	1		
GSSP4-9.0/70		70	55	45	37	28	20	11	1		
GSSP4-9.0/90		90	75	60	50	45	27	15	1		
GSSP4-9.0/135		135	120	100	80	73	55	40	1		
GSSP4-9.0/220		220	175	145	120	95	60	25	1		



GVS SERIES

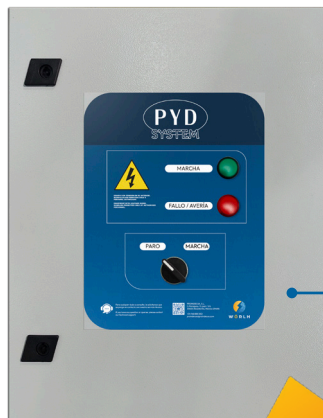
Solar pumping set consisting of a 304 stainless steel multistage centrifugal electric pump, a permanent magnet synchronous motor (PMSM), and a PYD AC/DC solar control panel.

Available in
4" 6" 8"



Entirely manufactured in
304 STAINLESS STEEL

SP SERIES
Multistage centrifugal electric pump.



PYD SOLAR CONTROL PANEL

- ✔ Dry-running detection
- ✔ Automatic reset
- ✔ Thermal protection
- ✔ MPPT algorithm



VARIABLE SPEED DRIVE
W O R L D



MATERIALS

- Suction Body: **AISI 304 Stainless Steel**
- Discharge Body: **AISI 304 Stainless Steel**
- Check Valve: **AISI 304 Stainless Steel**
- Shaft: **AISI 304 Stainless Steel**
- Impellers: **AISI 304 Stainless Steel**
- Diffusers: **AISI 304 Stainless Steel**

OPERATING RANGE

- Power Range: **1.50 - 20 kW**
- Chemically and mechanically: **Non-aggressive water**
- Solid content: **< 50 g/m3**

GVS-10

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	0,7	1,1	1,4	1,8	2,1	2,5	2,8	3,2	3,5	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	12	18	23	29	35	41	47	53	58
GVS-10/A10	1 ¼	230	1,5	2,0	100	m.c.a	87	82	79	76	73	68	62	56	48	37
GVS-10/A20	1 ¼	230	1,5	2,0	100		136	128	123,5	118	111	103	95	84	73	59
GVS-10/A30	1 ¼	230	1,5	2,0	100		175	164	157	150	142	132	121	109	94	76
GVS-10/A40	1 ¼	230	1,5	2,0	100		203	189	182	174	165	154	142	127	110	89
GVS-10/B10	1 ¼	230	2,2	3,0	100		271	251	241	231	218	205	188	169	147	119

GVS-20

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	1	1,4	1,9	2,4	2,9	3,4	3,8	4,3	4,8	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	16	24	32	40	48	56	64	72	80
GVS-20/A10	1 ¼	230	1,5	2,0	100	m.c.a	66	60	57	56	54	52	48	42	34	23
GVS-20/A20	1 ¼	230	1,5	2,0	100		103	93	89	85	81	76	70	61	49	34
GVS-20/A30	1 ¼	230	1,5	2,0	100		147	133	127	122	116	110	102	89	73	50
GVS-20/A40	1 ¼	230	1,5	2,0	100		205	184	175	167	159	150	140	124	102	72
GVS-20/B10	1 ¼	230	2,2	3,0	100		261	234	221	210	201	192	180	161	130	89
GVS-20/C10	1 ¼	400	3,7	5,0	100	318	286	272	258	246	233	218	193	157	108	

GVS-30

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	1,5	2,1	2,7	3,2	3,8	4,4	5	5,5	6,1	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	25	35	44	54	64	73	83	92	102
GVS-30/A10	1 ¼	230	1,5	2,0	100	m.c.a	72	66	64	61,5	58	53	47	39	30	18
GVS-30/A20	1 ¼	230	1,5	2,0	100		100	100	96	92	87	80	71	59	45	29
GVS-30/A30	1 ¼	230	1,5	2,0	100		146	134	129	123	117	107	95	80	61	40
GVS-30/B10	1 ¼	230	2,2	3,0	100		183	169	164	157	148	136	121	102	79	51
GVS-30/C10	1 ¼	400	3,7	5,0	100		219	202	194	186	175	161	143	120	92	58
GVS-30/C20	1 ¼	400	3,7	5,0	100	269	248	239	228	215	198	177	149	115	74	
GVS-30/C30	1 ¼	400	3,7	5,0	100	305	280	270	258	242	223	197	165	126	81	

GVS-40

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	1,7	2,6	3,5	4,4	5,2	6,1	7	7,8	8,7	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	29	44	58	73	87	102	116	131	145
GVS-40/A10	1 ½	230	1,5	2,0	100	m.c.a	49	45	43	41	39	37	34	30	25	19
GVS-40/A20	1 ½	230	1,5	2,0	100		74	68	65	62	59	55	51	46	39	30
GVS-40/A30	1 ½	230	1,5	2,0	100		98	91	87	84	80	75	69	62	52	40
GVS-40/B10	1 ½	230	2,2	3,0	100		123	113	109	105	100	94	86	77	65	50
GVS-40/B20	1 ½	230	2,2	3,0	100		148	136	130	125	120	113	103	92	77	59
GVS-40/C10	1 ½	400	3,7	5,0	100	185	169	162	156	149	140	129	114	96	74	
GVS-40/D10	1 ½	400	5,5	7,5	100	211	191	184	177	169	159	146	129	109	84	
GVS-40/D20	1 ½	400	5,5	7,5	100	261	239	230	222	212	200	185	164	139	109	
GVS-40/E10	1 ½	400	7,5	10	100	310	282	271	261	249	235	216	193	162	125	

GVS-50

MODEL	ND ["]	Pump. V. [V]	Motor. P. [kW]	Motor. P. [Hp]	Ø" [mm]	m³/h l/min	0	2,2	3,3	4,4	5,5	6,6	7,7	8,8	9,9	11
							0	37	55	73	92	110	128	147	165	183
GVS-50/A10	1 ½	230	1,5	2,0	100	m.c.a	70	65	62,5	60	57	53	48	41	32	22
GVS-50/B10	1 ½	230	2,2	3,0	100		97	92,5	89	86	83	77,5	69,5	59,5	46	28
GVS-50/C10	1 ½	400	3,7	5,0	100		137	128	124	119	112	104	94	80	62	40
GVS-50/C20	1 ½	400	3,7	5,0	100		165	156	150	144	136	126	113	97	75	47
GVS-50/D10	1 ½	400	5,5	7,5	100		204	188	180	172	162	149	134	114	90	60
GVS-50/D20	1 ½	400	5,5	7,5	100		242	226	218	209	197	182	164	139	108	69
GVS-50/E10	1 ½	400	7,5	10	100		282	263	254	243	230	214	193	165	128	81
GVS-50/E20	1 ½	400	7,5	10	100		335	309	296	281	265	245	221	190	150	94

GVS-60

MODEL	ND ["]	Pump. V. [V]	Motor. P. [kW]	Motor. P. [Hp]	Ø" [mm]	m³/h l/min	0	3,2	4,8	6,4	8	9,5	11,1	12,7	14,3	15,9
							0	53	80	106	133	159	186	212	239	265
GVS-60/A10	2	230	1,5	2,0	100	m.c.a	57	52	49	47	45	43	39	34	28	20
GVS-60/B10	2	230	2,2	3,0	100		80	73	69	65	63	60,5	57	50	40	30
GVS-60/C10	2	400	3,7	5,0	100		116	105	99	94	89	85	79	69	56	41
GVS-60/D10	2	400	5,5	7,5	100		139	128	121	115	110	105	98	87	71	52
GVS-60/D20	2	400	5,5	7,5	100		175	158	150	142	136	129	120	105	85	63
GVS-60/E10	2	400	7,5	10	100		209	190	180	172	164	156	145	128	105	77
GVS-60/E20	2	400	7,5	10	100		245	224	213	202	193	183	172	153	125	93

GVS-70

MODEL	ND ["]	Pump. V. [V]	Motor. P. [kW]	Motor. P. [Hp]	Ø" [mm]	m³/h l/min	0	5	7,5	10	12,5	15	17,5	20	22,5	25
							0	83	125	167	208	250	292	333	375	417
GVS-70/B10	2	230	1,5	2,0	100	m.c.a	38	36	35	34	32	29	26	23	19	14
GVS-70/C10	2	230	2,2	3,0	100		63	61	59	56	53	48	43	37	31	24
GVS-70/D10	2	400	3,7	5,0	100		75	73	71	68	63	58	52	45	37	28
GVS-70/D20	2	400	5,5	7,5	100		88	85	82	79	74	68	61	52	43	33
GVS-70/E10	2	400	5,5	7,5	100		126	122	118	112	105	97	87	75	62	47
GVS-70/E20	2	400	7,5	10	100		139	134	130	123	116	106	95	82	68	52

GVS-80

MODEL	ND ["]	Pump. V. [V]	Motor. P. [kW]	Motor. P. [Hp]	Ø" [mm]	m³/h l/min	0	5	7,5	10	12,5	15	17,5	20	22,5	25
							0	83	125	167	208	250	292	333	375	417
GVS-80/F10	2 ½	400	9,2	12,5	133	m.c.a	175	162	155	148	140	130	119	106	91	71
GVS-80/G10	2 ½	400	11	15	133		192	178	171	162	153	143	131	117	101	82
GVS-80/G20	2 ½	400	11	15	133		209	194	186	177	167	156	143	127	110	89
GVS-80/G30	2 ½	400	11	15	133		224	209	200	190	180	168	154	138	120	99
GVS-80/H10	2 ½	400	15	20	133		244	226	217	207	195	182	167	149	128	104
GVS-80/H20	2 ½	400	15	20	133		261	243	233	222	209	195	178	159	138	111
GVS-80/H30	2 ½	400	15	20	133		279	259	248	236	223	208	190	170	147	119
GVS-80/H40	2 ½	400	15	20	133		296	275	264	251	237	221	202	181	156	126
GVS-80/I10	2 ½	400	20	26	133		313	291	279	266	251	234	214	191	165	134
GVS-80/I20	2 ½	400	20	26	133		331	307	295	281	265	247	226	202	174	141
GVS-80/I30	2 ½	400	20	26	133		350	325	312	297	280	261	239	213	185	151

GVS-90

MODELO	ND	Pump. V.	Motor. P.		Ø"	m³/h	0	5,5	8,3	11	13,8	16,5	19,3	22	24,8	27,5
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	92	138	183	229	275	321	367	413	458
GVS-90/F10	2 ½	400	9,2	12,5	133	m.c.a	158	157	155	151	144	134	123	109	93	73
GVS-90/G10	2 ½	400	11	15	133		175	174	171	166	158	148	135	120	101	80
GVS-90/G20	2 ½	400	11	15	133		195	193	191	185	177	166	152	135	115	92
GVS-90/H10	2 ½	400	15	20	133		211	210	207	201	192	180	165	146	125	99
GVS-90/H20	2 ½	400	15	20	133		228	227	223	217	207	193	177	157	133	105
GVS-90/H30	2 ½	400	15	20	133		247	246	242	236	225	211	193	172	147	117
GVS-90/H40	2 ½	400	15	20	133		264	262	259	252	240	225	206	183	156	124
GVS-90/I10	2 ½	400	20	26	133		280	279	275	267	255	239	218	193	164	130
GVS-90/I20	2 ½	400	20	26	133		297	295	291	283	270	252	230	204	173	135
GVS-90/I30	2 ½	400	20	26	133		317	314	310	301	288	269	246	218	186	147

GVS-100

MODELO	ND	Pump. V.	Motor. P.		Ø"	m³/h	0	7,2	10,8	14,4	18	21,6	25,2	28,8	32,4	36
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	120	180	240	300	360	420	480	540	600
GVS-100/F10	2 ½	400	9,2	12,5	133	m.c.a	108	105	102	99	94	88	79	68	54	39
GVS-100/G10	2 ½	400	11	15	133		144	138	134	129	122	113	102	87	69	48
GVS-100/H10	2 ½	400	15	20	133		162	154	149	143	135	124	112	96	77	53
GVS-100/I10	2 ½	400	20	26	133		197	189	183	175	165	152	136	116	92	62

GVS-110

MODELO	ND	Pump. V.	Motor. P.		Ø"	m³/h	0	9,8	14,7	19,6	24,5	29,4	34,3	39,2	44,1	49
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	163	245	327	408	490	572	653	735	817
GVS-110/F10	3	400	9,2	12,5	133	m.c.a	91	89	85	80	76	71	65	57	46	34
GVS-110/G10	3	400	11	15	133		108	105	106	95	90	84	77	67	54	39
GVS-110/G20	3	400	11	15	133		126	124	118	112	106	99	91	80	65	48
GVS-110/H10	3	400	15	20	133		144	140	134	127	120	112	103	90	73	53
GVS-110/H20	3	400	15	20	133		162	159	152	144	136	128	117	103	84	62
GVS-110/H30	3	400	15	20	133		179	175	167	159	150	140	128	112	91	67
GVS-110/I10	3	400	20	26	133		196	191	183	173	163	153	140	122	98	72
GVS-110/I20	3	400	20	26	133		215	210	201	191	180	169	155	135	110	81
GVS-110/I30	3	400	20	26	133		232	226	216	205	193	181	166	145	117	85
GVS-110/I40	3	400	20	26	133		252	246	235	223	211	198	182	159	129	96

GVS-120

MODEL	ND	Pump. V.	Motor. P.		Ø"	m³/h	0	15	22,6	30,1	37,6	45,1	52,6	60,2	67,7	75,2
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	251	376	501	627	752	877	1003	1128	1253
GVS-120/F10	4	400	9,2	12,5	146	m.c.a	64	62	57	53	50	46	42	38	32	23
GVS-120/G10	4	400	11	15	146		85	80	77	73	69	64	58	51	42	31
GVS-120/H10	4	400	15	20	146		105	99	95	90	84	78	71	62	51	38
GVS-120/I10	4	400	20	26	146		126	119	114	108	102	94	86	75	62	46
GVS-120/I20	4	400	20	26	146		147	140	134	127	119	111	100	88	73	55
GVS-120/I30	4	400	20	26	146		169	160	153	146	137	128	116	102	85	64

GVS-130

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	19,6	29,4	39,2	49	58,8	68,6	78,4	88,2	98	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	327	490	653	817	980	1143	1307	1470	1633
GVS-130/F10	4	400	9,2	12,5	146	m.c.a	43	41	39	35	31	27	24	20	15	8
GVS-130/G10	4	400	11	15	146		66	63	59	54	48	42	38	32	25	15
GVS-130/H10	4	400	15	20	146		88	85	89	72	64	57	51	44	34	21
GVS-130/H20	4	400	15	20	146		111	106	100	91	81	73	65	56	44	28
GVS-130/I10	4	400	20	26	146		133	127	120	110	98	88	78	67	53	35
GVS-130/I20	4	400	20	26	146		156	149	141	129	116	104	92	80	63	41

GVS-140

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	25,1	37,6	50,1	62,7	75,2	87,7	100,2	112,8	125,3	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	418	627	835	1044	1253	1462	1671	1880	2088
GVS-140/H10	5	400	15	20	172	m.c.a	64	61	57	52	48	44	40	35	29	21
GVS-140/I10	5	400	20	26	172		95	91	85	79	72	66	61	53	44	31

GVS-150

MODEL	ND	Pump. V.	Motor. P.	Ø"	m³/h	0	30,9	46,4	61,9	77,4	92,8	108,3	123,8	139,2	154,7	
	["]	[V]	[kW]	[Hp]	[mm]	l/min	0	516	774	1031	1289	1547	1805	2063	2321	2578
GVS-150/F10	5	400	9,2	12,5	172	m.c.a	36	32	29	26	23	21	20	17	13	8
GVS-150/H10	5	400	15	20	172		68	62	57	52	47	44	40	34	26	17



PYDSOLAR CONTROL PANEL

PYDSOLAR control panels featuring WORLH® frequency inverters have been designed for the efficient management of three-phase electric pumps, providing a versatile solution in terms of power supply and hydraulic performance optimization.

Thanks to their pre-installed software, they optimize energy consumption by precisely adjusting the power and frequency delivered to the motor at all times. In systems powered by solar panels, the pump frequency is automatically regulated based on available solar intensity, without power restrictions.



At PYD we have designed 3 model configurations that include functions to adapt to the specific needs of each installation: STANDARD, STANDARD+, and PRO.

SPECIFICATIONS	ESTÁNDAR	ESTÁNDAR+	PRO
SUITABLE FOR PERMANENT MAGNET MOTOR	✓	✓	✓
SUITABLE FOR ASYNCHRONOUS MOTOR	✓	✓	✓
SENSOR CONNECTION	✓	✓	✓
VOLTAGE PROTECTION	✓	✓	✓
CURRENT PROTECTION	✓	✓	✓
DRY-RUN DETECTION	✓	✓	✓
LOW FREQUENCY DETECTION	✓	✓	✓
AUTOMATIC RESET	✓	✓	✓
MPPT OPTIMIZATION	✓	✓	✓
4G GPRS MODULE	✗	✓	✓
PRESSURE TRANSDUCER	✗	✓	✓
HYBRID MODE	✗	✓	✓
LCD TOUCH SCREEN	✗	✗	✓
IRRIGATION PROGRAMMER UP TO 15 ZONES	✗	✗	✓

Description

- ✓ The PYDSOLAR STANDARD control panel with frequency inverter is designed to power three-phase electric pumps.
- ✓ It allows operation with direct current via solar panels or with three-phase alternating current (AC/DC).
- ✓ Its pre-installed software optimizes energy consumption by precisely adjusting the power and frequency delivered to the motor at all times. In systems powered by solar panels, the pump frequency is automatically regulated based on available solar intensity, without power restrictions.



Technical Data

- ✓ **THERMAL PROTECTION:** Motor electronics via parameterizable value. Over-consumption (motor failure) and under-consumption (dry-run).
- ✓ **DRY-RUN DETECTION.**
- ✓ **AUTOMATIC RESET:**
 - Voltage failure
 - Weak light detection
 - Dry-run (under-consumption)
 - Over-current (motor failure)
- ✓ **AUTOMATIC MPPT ALGORITHM TRACKING.** Solar radiation sensor not required.

MODEL	MAXIMUM POWER 50/60HZ		VOLTAGE	MAX. CURRENT		POWER SUPPLY
	kW	Hp		A (220V)	A (380V)	VOLTAGE
			V			VDC
PYDSOLAR 2.2/1~230	2,2	3,0	1~230	16,0	-	260 - 360
PYDSOLAR 1.5/3~230	1,5	2,0	3~230	5,1	-	260 - 360
PYDSOLAR 2.2/3~230	2,2	3,0	3~230	9,0	-	260 - 360
PYDSOLAR 4.0/3~230	4,0	5,5	3~230	13,0	-	260 - 360
PYDSOLAR 5.5/3~230	5,5	7,5	3~230	25,0	-	260 - 360
PYDSOLAR 3.7/3~400	3,7	5,0	3~400	-	9,0	600 - 760
PYDSOLAR 5.5/3~400	5,5	7,5	3~400	-	13,0	600 - 760
PYDSOLAR 7.5/3~400	7,5	10	3~400	-	17,0	600 - 760
PYDSOLAR 11.0/3~400	11	15	3~400	-	25,0	600 - 760
PYDSOLAR 15.0/3~400	15	20	3~400	-	32,0	600 - 760
PYDSOLAR 18.5/3~400	18,5	25	3~400	-	37,0	600 - 760
PYDSOLAR 22.0/3~400	22	30	3~400	-	45,0	600 - 760
PYDSOLAR 30.0/3~400	30	40	3~400	-	60,0	600 - 760
PYDSOLAR 37.0/3~400	37	50	3~400	-	75,0	600 - 760
PYDSOLAR 45.0/3~400	45	60	3~400	-	91,0	600 - 760
PYDSOLAR 55.0/3~400	55	75	3~400	-	112,0	600 - 760

PYDSOLAR SERIES ESTÁNDAR+

Description

- ✓ El cuadro **PYDSOLAR ESTÁNDAR +** con variador de frecuencia está diseñado para alimentar electrobombas trifásicas, ofreciendo flexibilidad en su alimentación. Pueden funcionar con corriente continua mediante paneles solares o con corriente alterna de tensión trifásica (AC/DC).
- ✓ Su software preinstalado **optimiza el consumo energético** al ajustar de forma precisa la potencia y la frecuencia que entrega el motor en cada momento.
- ✓ En sistemas alimentados por paneles solares, **la frecuencia de la bomba se regula automáticamente** según la intensidad solar disponible, sin restricciones de potencia.
- ✓ A diferencia de la versión ESTÁNDAR este modelo incluye nuevas prestaciones como el **modo híbrido o un módulo GPRS** entre otros.



4G



Technical Data

- ✓ **PRESSURE TRANSDUCER** 10 bar (Available up to 25 bar)
- ✓ **HYBRID MODE**
- ✓ **4G GPRS MODULE** for remote drive control via app and/or web
- ✓ **THERMAL PROTECTION:** Motor electronics via parameterizable value. Over-consumption (motor failure) and under-consumption (dry-run).
- ✓ **DRY-RUN DETECTION.**
- ✓ **AUTOMATIC RESET:**
 - Voltage failure.
 - Weak light detection.
 - Dry-run (Under-consumption).
 - Over-current (Motor failure).
- ✓ **AUTOMATIC MPPT ALGORITHM TRACKING.** Solar radiation sensor not required.

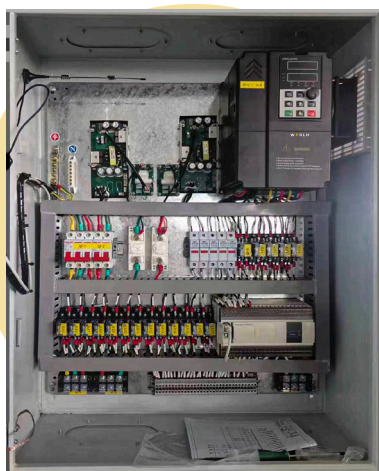
MODEL	MAXIMUM POWER 50/60HZ		VOLTAGE			POWER SUPPLY
	kW	Hp	V	A (220V)	A (380V)	VDC
PYDSOLAR 2.2/1~230	2,2	3,0	1~230	16,0	-	260 - 360
PYDSOLAR 1.5/3~230	1,5	2,0	3~230	5,1	-	260 - 360
PYDSOLAR 2.2/3~230	2,2	3,0	3~230	9,0	-	260 - 360
PYDSOLAR 4.0/3~230	4,0	5,5	3~230	13,0	-	260 - 360
PYDSOLAR 5.5/3~230	5,5	7,5	3~230	25,0	-	260 - 360
PYDSOLAR 3.7/3~400	3,7	5,0	3~400	-	9,0	600 - 760
PYDSOLAR 5.5/3~400	5,5	7,5	3~400	-	13,0	600 - 760
PYDSOLAR 7.5/3~400	7,5	10	3~400	-	17,0	600 - 760
PYDSOLAR 11.0/3~400	11	15	3~400	-	25,0	600 - 760
PYDSOLAR 15.0/3~400	15	20	3~400	-	32,0	600 - 760
PYDSOLAR 18.5/3~400	18,5	25	3~400	-	37,0	600 - 760
PYDSOLAR 22.0/3~400	22	30	3~400	-	45,0	600 - 760
PYDSOLAR 30.0/3~400	30	40	3~400	-	60,0	600 - 760
PYDSOLAR 37.0/3~400	37	50	3~400	-	75,0	600 - 760
PYDSOLAR 45.0/3~400	45	60	3~400	-	91,0	600 - 760
PYDSOLAR 55.0/3~400	55	75	3~400	-	112,0	600 - 760

Description

- ✓ The PYDSOLAR PRO control panel with frequency inverter is designed to power three-phase electric pumps, offering power supply flexibility.
- ✓ They can operate with direct current via solar panels or with three-phase alternating current (AC/DC).
- ✓ Its pre-installed software optimizes energy consumption by precisely adjusting the power and frequency delivered to the motor at all times. In systems powered by solar panels, the pump frequency is automatically regulated based on available solar intensity, without power restrictions.
- ✓ **The PRO model is the most complete configuration.**



4G



Technical Data

- ✓ **IRRIGATION PROGRAMME** for connection of up to 14 solenoid valves.
- ✓ **LCD TOUCH SCREEN** for drive control and parameter display.
- ✓ **PRESSURE TRANSDUCER** 10 bar (Available up to 25 bar)
- ✓ **HYBRID MODE**
- ✓ **GPRS MODULE** for remote drive control via app/web.
- ✓ **THERMAL PROTECTION:** Motor electronics via parameterizable value. Over-consumption (motor failure) and under-consumption (dry-run).
- ✓ **DRY-RUN DETECTION.**
- ✓ **AUTOMATIC RESET:**
 - Voltage failure.
 - Weak light detection.
 - Dry-run (Under-consumption).
 - Over-current (Motor failure).
- ✓ **AUTOMATIC MPPT ALGORITHM TRACKING.** Solar radiation sensor not required.

MODEL	MAXIMUM POWER 50/60HZ		VOLTAGE			POWER SUPPLY
	kW	Hp	V	A (220V)	A (380V)	VDC
PYDSOLAR 2.2/1~230	2,2	3,0	1~230	16,0	-	260 - 360
PYDSOLAR 1.5/3~230	1,5	2,0	3~230	5,1	-	260 - 360
PYDSOLAR 2.2/3~230	2,2	3,0	3~230	9,0	-	260 - 360
PYDSOLAR 4.0/3~230	4,0	5,5	3~230	13,0	-	260 - 360
PYDSOLAR 5.5/3~230	5,5	7,5	3~230	25,0	-	260 - 360
PYDSOLAR 3.7/3~400	3,7	5,0	3~400	-	9,0	600 - 760
PYDSOLAR 5.5/3~400	5,5	7,5	3~400	-	13,0	600 - 760
PYDSOLAR 7.5/3~400	7,5	10	3~400	-	17,0	600 - 760
PYDSOLAR 11.0/3~400	11	15	3~400	-	25,0	600 - 760
PYDSOLAR 15.0/3~400	15	20	3~400	-	32,0	600 - 760
PYDSOLAR 18.5/3~400	18,5	25	3~400	-	37,0	600 - 760
PYDSOLAR 22.0/3~400	22	30	3~400	-	45,0	600 - 760
PYDSOLAR 30.0/3~400	30	40	3~400	-	60,0	600 - 760
PYDSOLAR 37.0/3~400	37	50	3~400	-	75,0	600 - 760
PYDSOLAR 45.0/3~400	45	60	3~400	-	91,0	600 - 760
PYDSOLAR 55.0/3~400	55	75	3~400	-	112,0	600 - 760



Monitor your pumping in real time

DESCRIPTION

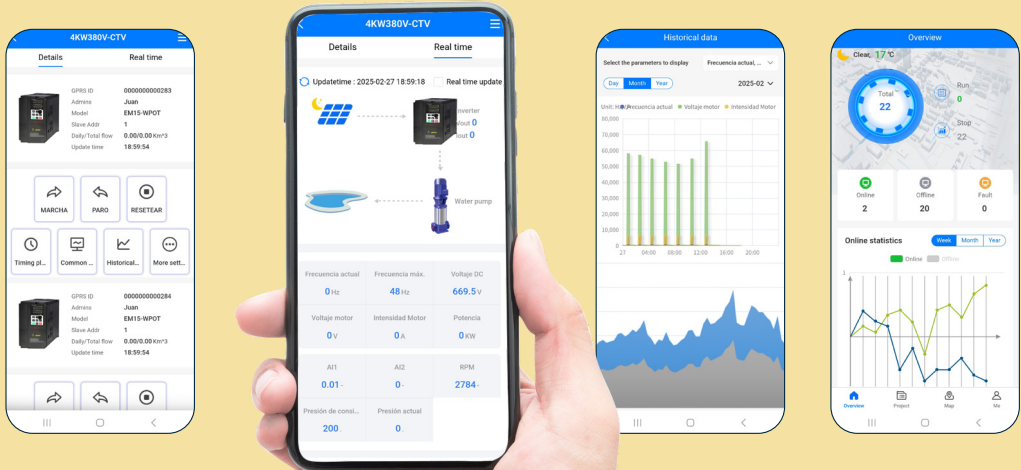
- The integrated **GPRS module** enables remote monitoring and control of the solar pumping system, ensuring advanced and optimized management.
- Through a **4G connection via SIM card**, real-time access is provided to operating parameters, historical records, and system alerts.
- This technology improves operational efficiency and preventive maintenance, allowing for remote adjustments and diagnostics **without the need for on-site intervention**.



Configuration parameters are sent in real time via the mobile application or web platform.

The GPRS module receives the configuration via the 4G network. It processes and transmits the commands to the frequency inverter without the need for local intervention.

The drive adjusts the operation of the solar pumping unit according to the parameters.





SOL-POOL SERIES

Solar electric pump for domestic swimming pools, spas, or non-corrosive liquids. Its design allows for maximum performance and easy maintenance.



✓ MPPT



AC/DC CONTROLLER
Allows automatic switching between AC and DC power supply.

MODEL	P ₂		DN Ø		N° PANELES	FLOW RATE				
	kW	Hp	ASP.	IMP.	VDC	m ³ /h				
SOL-POOL/1.2	0,9	1,2	2"	2"	3 x 550W	0	5	10	15	20
						l/min	0	83,3	166,7	250
						HEAD OF WATER IN METERS				
						19	15,2	11	7,5	2

MATERIALS

- Max. liquid temperature: **60°C**
- Max. casing pressure: **2.5 bar**
- Self-priming: **Up to 8 m**

OPERATING RANGE

- Pump body: **Plastic**
- Diffuser: **Plastic**
- Front motor cover: **Aluminum**
- Rear motor cover: **Aluminum**



SOL-INOX SERIES

Solar electric pump made of STAINLESS steel.
 Ideal for water treatment, industrial cleaning, or domestic applications.
 The motor-mounted controller allows it to be connected directly to the solar power source.

✓ MPPT



Cuerpo de bomba en
ACERO INOX

Bastidor ergonómico
ALTA RESISTENCIA

MODEL	P ₂		DN Ø		Nº PANELES	FLOW RATE															
	kw	Hp	ASP.	IMP.		VDC	m ³ /h	l/min	0	0,5	1	1,5	2	2,5	3	3,3					
SOL-INOX/0.75	0,55	0,75	1"	1"	2 x 550W	HEAD OF WATER IN METERS								38	30,5	26	20	13	8	4	2,5

MATERIALS

- Pump body: **STAINLESS steel**
- Impeller: **Brass**
- Diffuser: **Plastic**
- Cable: **2 m**

OPERATING RANGE

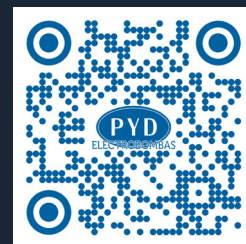
- Max. liquid temperature: **60°C**
- Max. suction head: **2,5 bar**



C/ Paraguay, parc. 13-5/6
Polígono industrial Oeste
30820 Alcantarilla, Murcia (Spain)

Tel. : +34 968 880 852
proindecsa@proindecsa.com

www.proindecsa.com



© PYD Electrobombas 2025. Todos los derechos reservados.
Prohibida la reproducción total o parcial de este catálogo sin autorización expresa. PYD SOLAR y WÓRLH son marcas registradas de Proindecsa, S.L. La empresa e reserva el derecho de modificar los datos técnicos y las especificaciones sin previo aviso.