

DegerHellas LTD

Energy Systems

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YIELDS S100-SR 2021 - 2022



Basic installation data:

Solar plant identification: Kogias
Location: Spercheiada/Fthiotida
Country/Region: Greece
Longitude: 38°90'75.72" North
Latitude: 22°12'73.25" East

System configuration:

Rated installation output: 100 kWp
Number of trackers: 5 x S100 - SR
Number of modules: 272 x 72 cells -370 Wp bifacial
Number of inverters: 5 x REFUsoL 20KW
Installer: ENERSYS

Connected to Grid since 2011

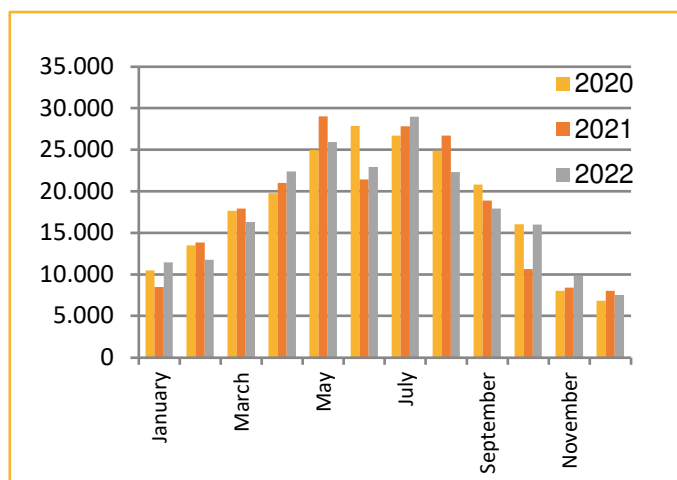
Production period :

JANUARY 2020- DECEMBER 2022

	2020		2021		2022	
Month	kWh total	kWh/kWp	kWh total	kWh/kWp	kWh total	kWh/kWp
January	10478,70	104,79	8483,30	84,83	11444,00	114,44
February	13473,40	134,73	13829,50	138,30	11740,60	117,41
March	17652,50	176,53	17933,70	179,34	16313,30	163,13
April	19760,30	197,60	21013,10	210,13	22377,40	223,77
May	24978,10	249,78	29021,30	290,21	25940,90	259,41
June	27855,20	278,55	21430,20	214,30	22909,10	229,09
July	26696,40	266,96	27820,90	278,21	28952,40	289,52
August	24886,90	248,87	26682,50	266,83	22298,20	222,98
September	20818,00	208,18	18875,70	188,76	17929,50	179,30
October	16024,70	160,25	10651,40	106,51	16002,10	160,02
November	8023,30	80,23	8413,50	84,14	9846,20	98,46
December	6820,40	68,20	8025,50	80,26	7514,00	75,14
TOTAL	217467,90	2174,68	212180,60	2121,81	213267,70	2132,68

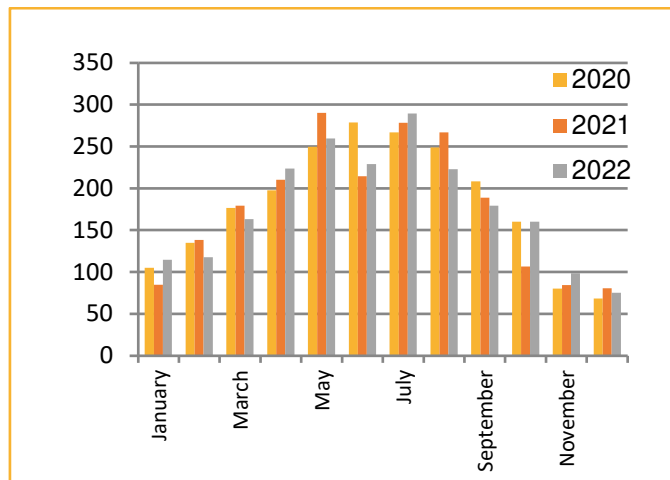


100 Kw



Total production graph

% difference : 0,51%



Production performance: kWh/kWp

Notice :

The energy installation was upgraded (from fixed mounting-previous state) to single axis tracking systems S100-SR with bifacial PV panels, at the end of September 2019.

Basic installation data:

Solar plant identification: Potamias
Location: Ekkara Domokou/Fthiotida
Country/Region: Greece
Longitude: 39°18'72.67" North
Latitude: 22°20'67.00" East

System configuration:

Rated installation output: 99,6 kWp
Number of trackers 6 x S100 - SR
Number of modules 249 x Luxor Ecoline 400W bifacial
Number of inverters 6 x Sunny Tripower 17000TL-10
Installer ENERSYS

Connected to Grid since 2012

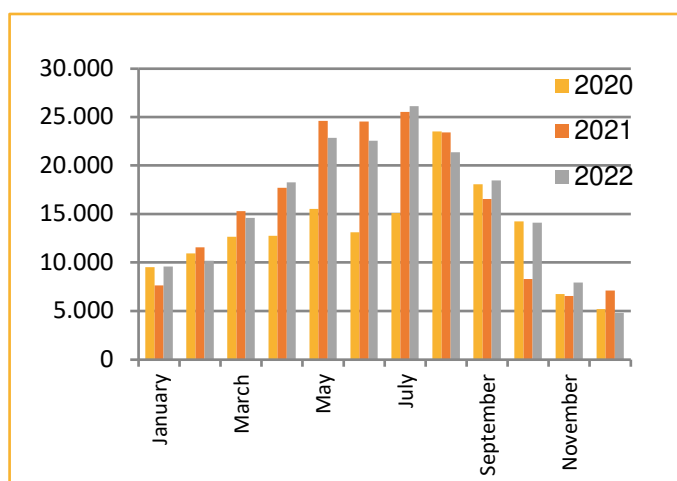
Production period:

JANUARY 2020 - DECEMBER 2022

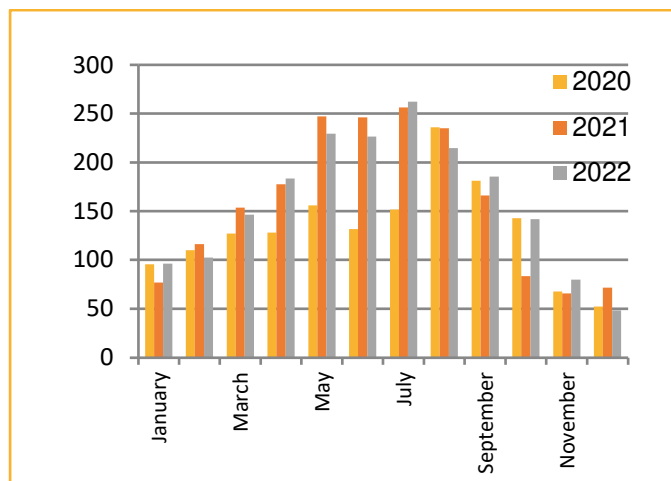
Month	2020		2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp	kWh total	kWh/kWp
January	9520,00	95,58	7640,00	76,71	9580,00	96,18
February	10940,00	109,84	11580,00	116,27	10190,00	102,31
March	12650,00	127,01	15290,00	153,51	14590,00	146,49
April	12760,00	128,11	17690,00	177,61	18270,00	183,43
May	15530,00	155,92	24610,00	247,09	22860,00	229,52
June	13110,00	131,63	24520,00	246,18	22550,00	226,41
July	15110,00	151,71	25530,00	256,33	26120,00	262,25
August	23500,00	235,94	23410,00	235,04	21380,00	214,66
September	18050,00	181,22	16550,00	166,16	18470,00	185,44
October	14230,00	142,87	8300,00	83,33	14120,00	141,77
November	6750,00	67,77	6560,00	65,86	7940,00	79,72
December	5200,00	52,21	7120,00	71,49	4800,00	48,19
TOTAL	157350,00	1579,82	188800,00	1895,58	190870,00	1916,37



99,6 Kw



Total production graph % difference : 1,08%



Production performance: kWh/kWp

Notice :

The energy installation was upgraded (from fixed mounting-previous state) to single axis tracking systems S100-SR with bifacial PV panels, at the end of July 2020.

Basic installation data:

Solar plant identification: Pentalofos
Location: pentalofos chalkidiki
Country/Region: Greece
Longitude: 40°73'44.08" North
Latitude: 22°81'21.93" East

System configuration:

Rated installation output: 999,60 kWp
Number of trackers 41 x S100 - SR
Number of modules 2940 x LUXOR 340Wp
Number of inverters 50 X SINVERT PVM20
 7 x SINVERT PVM13

Connected to Grid since 2012

Production period

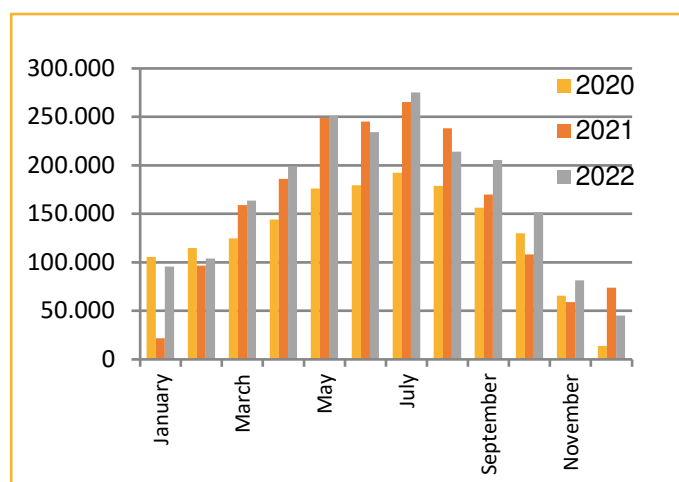
JANUARY 2020 - DECEMBER 2022

Month	2020		2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp	kWh total	kWh/kWp
January	105455,60	105,50	21810,40	21,82	95505,60	95,54
February	114747,30	114,79	96645,40	96,68	103765,70	103,81
March	124585,91	124,64	159051,30	159,11	163552,10	163,62
April	144273,90	144,33	186042,20	186,12	198539,10	198,62
May	176299,50	176,37	248813,30	248,91	251228,61	251,33
June	179563,20	179,64	245046,80	245,14	234091,10	234,18
July	192195,50	192,27	265094,60	265,20	275082,40	275,19
August	178652,40	178,72	238083,50	238,18	213948,50	214,03
September	156359,2	156,42	169989,30	170,06	205616,80	205,70
October	129803,30	129,86	108304,40	108,35	151625,10	151,69
November	65519,7	65,55	59060,80	59,08	81381,50	81,41
December	13894,60	13,90	73797,00	73,83	45093,10	45,11



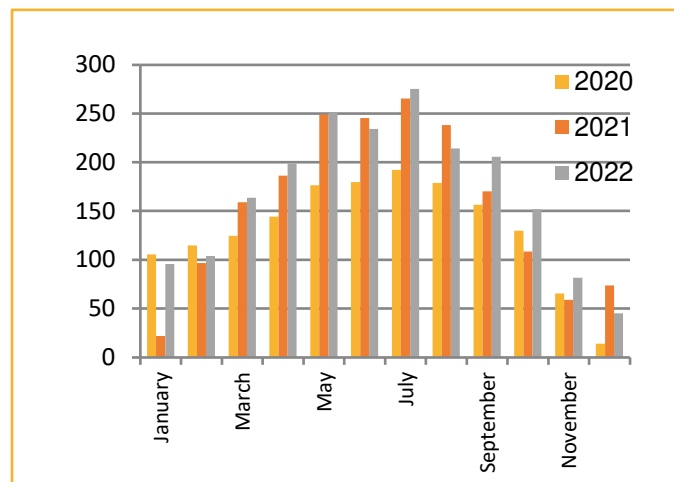
999,60 kW

TOTAL	1581350,11	1581,98	1871739,00	1872,49	2019429,61	2020,24
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Total production graph

% difference : 7,31%



Production performance: kWh/kWp

Notice :

The energy installation was upgraded (from fixed mounting-previous state) to single axis tracking systems S100-SR, in the beginning of February 2021. Please keep in mind that January 2021 was a transitional month with low energy production, due to trackers' installation tasks.

Basic installation data:

Solar plant identification: Kariotis
Location: Megara
Country/Region: Greece
Longitude: 38°02'12.0" North
Latitude: 23°17'02.6" East

System configuration:

Rated installation output: 99 kWp
Number of trackers: 5 x S100 -SR
Number of modules: 228 x TRINA DUOMAX DEG17M 435 Wp
Number of inverters: 1 x STP 110-60
Installer: K metrics

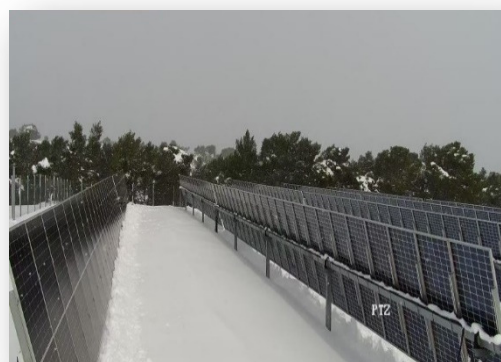
Connected to Grid since 2021

Production period

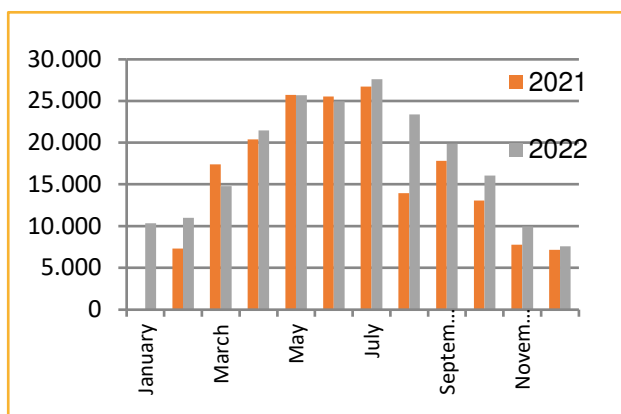
FEBRUARY 2021 - DECEMBER 2022

	2021		2022	
Month	kWh total	kWh/kWp	kWh total	kWh/kWp
January	0,00	0,00	10316	104,20
February	7291,00	73,65	11002,00	111,13
March	17377,00	175,53	14781,00	149,30
April	20386,00	205,92	21454,00	216,71
May	25710,00	259,70	25667,00	259,26
June	25524,00	257,82	24956,00	252,08
July	26717,00	269,87	27613,00	278,92
August	13930,00	140,71	23394,00	236,30
September	17823,00	180,03	19858,00	200,59
October	13068,00	132,00	16034,00	161,96
November	7756,00	78,34	9934,00	100,34
December	7140,40	72,13	7586,00	76,63

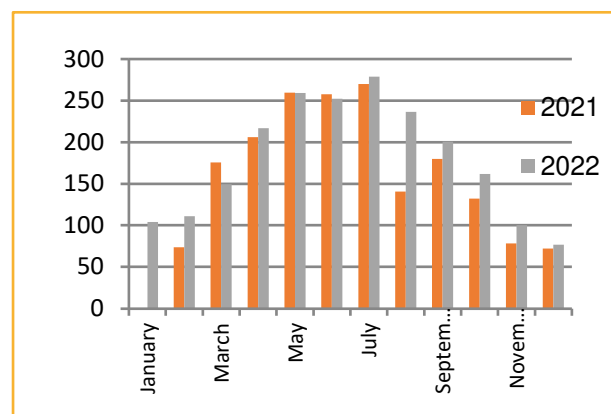
TOTAL	182722,40	1845,68	212595,00	2147,42
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99 Kw



Total production graph % difference 14,05%



Production performance: kWh/kWp

Notice :

The energy installation was connected to Grid on February 2021.

Basic installation data:

Solar plant identification: Adamakos
Location: Fokida
Country/Region: Greece
Longitude: 38° 38'7"North
Latitude: 22° 30'26"East

System configuration:

Rated installation output: 500 kWp
Number of trackers: 15 x S100 -SR
Number of modules: 940 x ECO LINE HALF CELL M144 / 530 W
Number of inverters: 1 x STP 110-60
Installer: Enersys

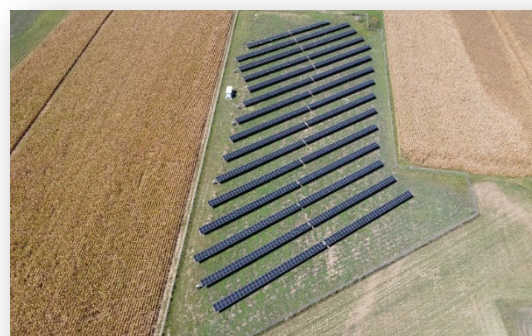
Connected to Grid since 2021

Production period

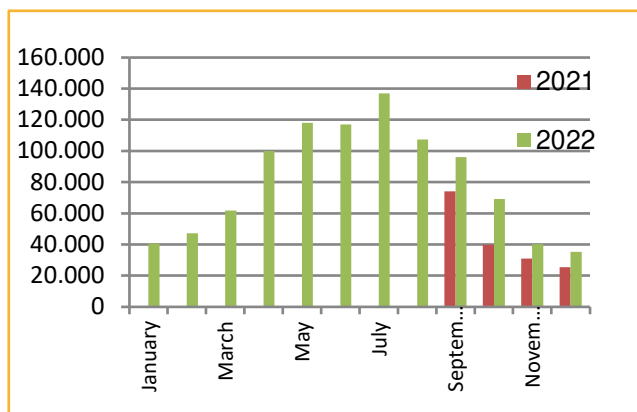
September 2021 - December 2022

	2021		2022	
Month	kWh total	kWh/kWp	kWh total	kWh/kWp
January	0,00	0,00	40552,2	81,10
February	0,00	0,00	47187,91	94,38
March	0,00	0,00	61653,71	123,31
April	0,00	0,00	99867,24	199,73
May	0,00	0,00	118075,78	236,15
June	0,00	0,00	116928,69	233,86
July	0,00	0,00	136993,37	273,99
August	0,00	0,00	107267,29	214,53
September	74058,03	148,12	96116,61	192,23
October	39727,41	79,45	69175,97	138,35
November	31044,79	62,09	40166,13	80,33
December	25415,23	50,83	35212,89	70,43

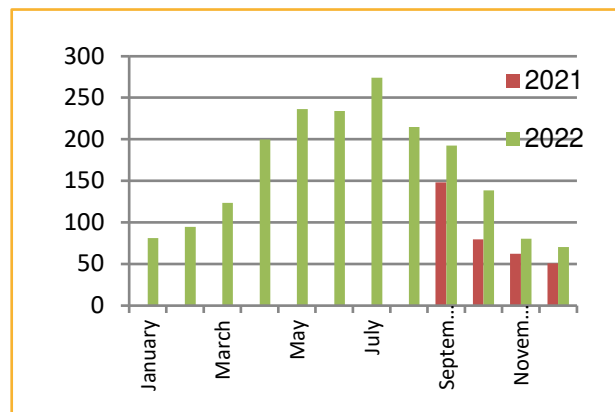
TOTAL	170245,46	340,49	969197,79	1938,40
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500 kW



Total production graph % difference : 82,43%



Production performance: kWh/kWp

Notice :

The energy installation was connected to Grid on September 2021.

All used data within (raw data, pictures, graphs, etc.) were offered by our valuable customers !!!



Best Wishes for Great yields during 2023!!!