

DegerHellas LTD

Energy Systems

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Agioi Anargyroi, Athens, Greece

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E: info@degerhellas.gr W: www.degerhellas.gr



Basic installation data:

Solar plant identification: Gousios
Location: Megalochori / Trikala
Country/Region: Greece
Longitude: 37°35'32" North
Latitude: 21°46'4" East

System configuration:

Rated installation output: 19,8 kWp
Number of trackers 18 x TT8,5
Number of modules 90 X aleo S16
Number of inverters 3 X SMA17000TL
Installer Green Project AE ΦΒ

Connected to Grid since 2009

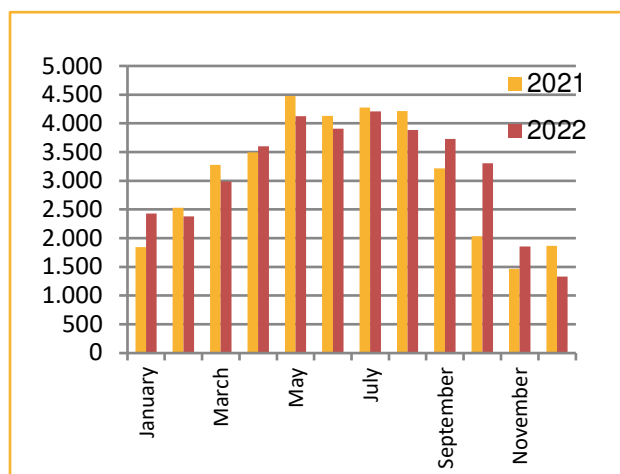
Production period

JANUARY 2021 - DECEMBER 2022

	2021		2022	
Month	kWh total	kWh/kWp	kWh total	kWh/kWp
January	1843,51	93,11	2430,31	122,74
February	2529,29	127,74	2378,23	120,11
March	3276,55	165,48	2988,39	150,93
April	3496,86	176,61	3599,15	181,78
May	4478,19	226,17	4123,44	208,25
June	4129,48	208,56	3904,95	197,22
July	4273,63	215,84	4206,78	212,46
August	4215,09	212,88	3886,95	196,31
September	3217,14	162,48	3729,31	188,35
October	2035,47	102,80	3307,44	167,04
November	1466,46	74,06	1852,86	93,58
December	1865,71	94,23	1329,56	67,15
TOTAL	36827,38	1859,97	37737,37	1905,93

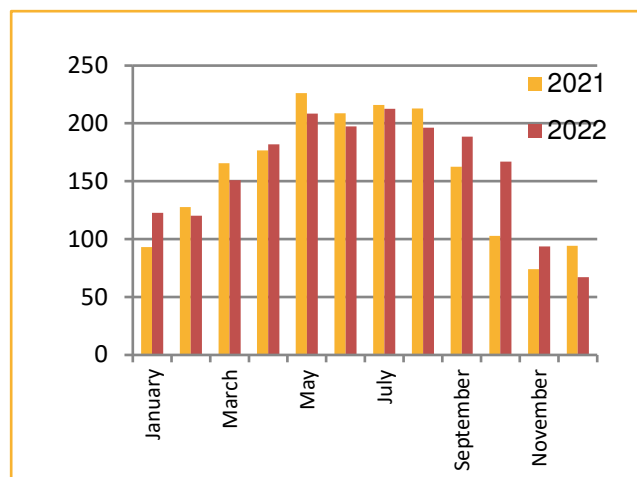


19,80 kW



Total production graph

% difference : 2,41%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: BRIGHT TOP TRACKER
Location: AXARNAI
Country/Region: Greece
Longitude: 38°3'55"North
Latitude: 23°44'20" East

System configuration:

Rated installation output: 19,88 kWp
Number of trackers 17XKNTT8.5
Number of modules 75 X Yingli 265
Number of inverters 2XSMA ST 10000TL-10

Connected to Grid since 2012

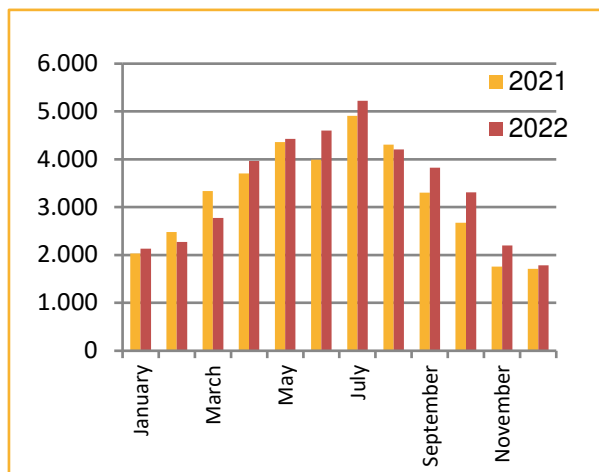
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	2031,6	102,19	2129,5	107,12
February	2480,61	124,78	2270,04	114,19
March	3336,02	167,81	2770,99	139,39
April	3700,98	186,17	3963,16	199,35
May	4356,74	219,15	4425,6	222,62
June	3989,81	200,69	4599,93	231,38
July	4907,86	246,87	5226,24	262,89
August	4309,27	216,76	4205,82	211,56
September	3304,45	166,22	3825,55	192,43
October	2675,66	134,59	3311,07	166,55
November	1756,19	88,34	2195,83	110,45
December	1709,95	86,01	1782,31	89,65
TOTAL	38559,14	1939,59	40706,04	2047,59

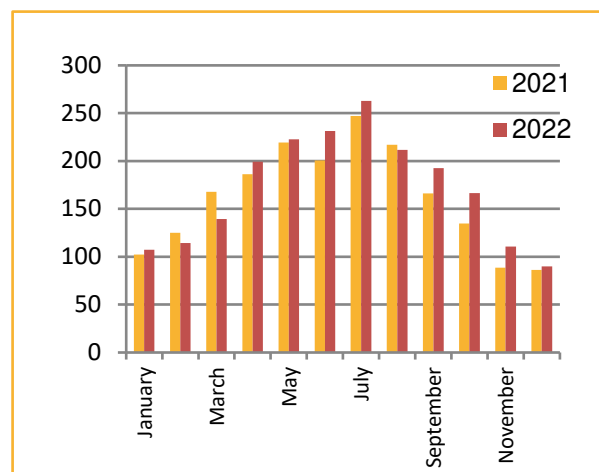


19,88 kW



Total production graph

% difference : 5,27%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Gousios
Location: Trikala
Country/Region: Greece
Longitude: 39°33'20" North
Latitude: 21°46'4" East

System configuration:

Rated installation output: 99,84 kWp
Number of trackers: 18 X TT40NT
Number of modules: aleo S_18 (230 W)
Number of inverters: 9 x Sunny Mini Central 11000TL
Installer: Green Project

Connected to Grid since 2010

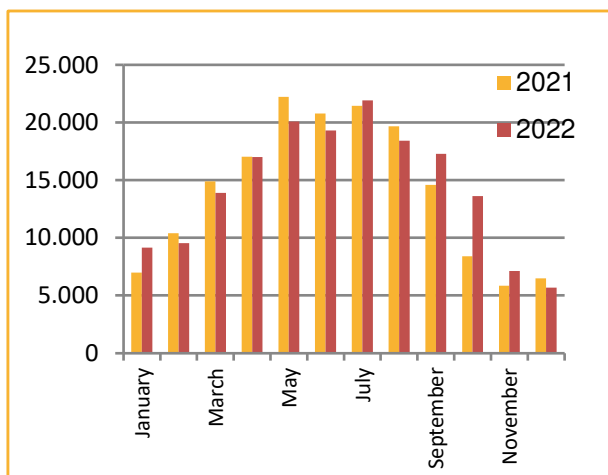
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	6970,00	69,81	9160,00	91,75
February	10390,00	104,07	9530,00	95,45
March	14900,00	149,24	13890,00	139,12
April	17030,00	170,57	17010,00	170,37
May	22230,00	222,66	20080,00	201,12
June	20790,00	208,23	19320,00	193,51
July	21450,00	214,84	21930,00	219,65
August	19680,00	197,12	18410,00	184,40
September	14580,00	146,03	17280,00	173,08
October	8400,00	84,13	13610,00	136,32
November	5850,00	58,59	7120,00	71,31
December	6490,00	65,00	5670,00	56,79
TOTAL	168760,00	1690,30	173010,00	1732,87

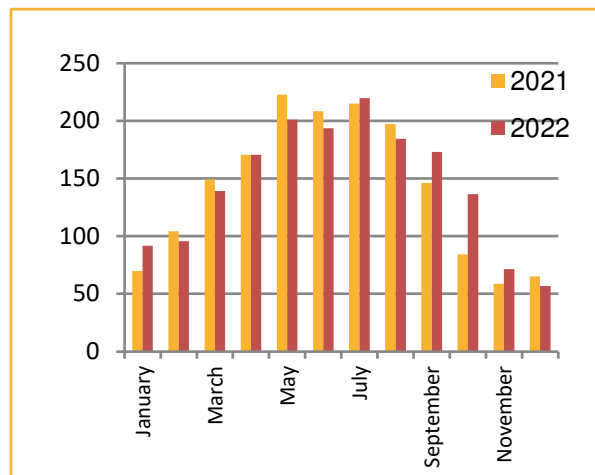


99,84 kW



Total production graph

% difference : 2,46%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Markopoulos
Location: Neohori / Trikala
Country/Region: Greece
Longitude: 35°12'31" North
Latitude: 26°6'18" East

System configuration:

Rated installation output: 19,78 kWp
Number of trackers: 3 x 7000NT
Number of modules: 90 x aleo s19_230Wp
Number of inverters: 3 x Sunny Mini Central 7000TL
Installer: Green Project

Connected to Grid since 2011

Production period

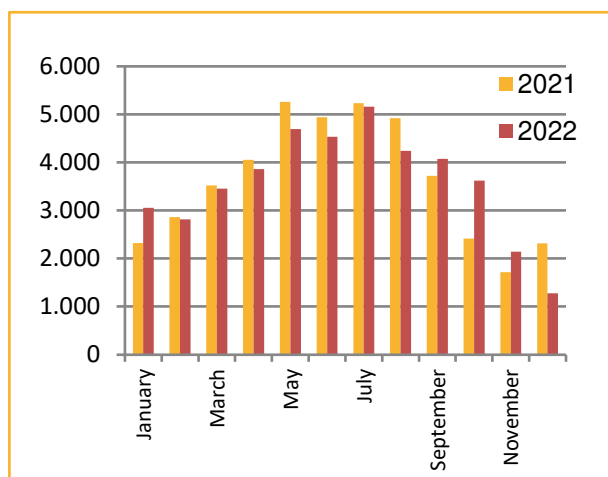
JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	2320,00	117,29	3050,00	154,20
February	2860,00	144,59	2810,00	142,06
March	3520,00	177,96	3450,00	174,42
April	4050,00	204,75	3860,00	195,15
May	5260,00	265,93	4690,00	237,11
June	4940,00	249,75	4530,00	229,02
July	5230,00	264,41	5160,00	260,87
August	4920,00	248,74	4240,00	214,36
September	3720,00	188,07	4070,00	205,76
October	2410,00	121,84	3620,00	183,01
November	1710,00	86,45	2140,00	108,19
December	2310,00	116,78	1270,00	64,21

TOTAL	43250,00	2186,55	42890,00	2168,35
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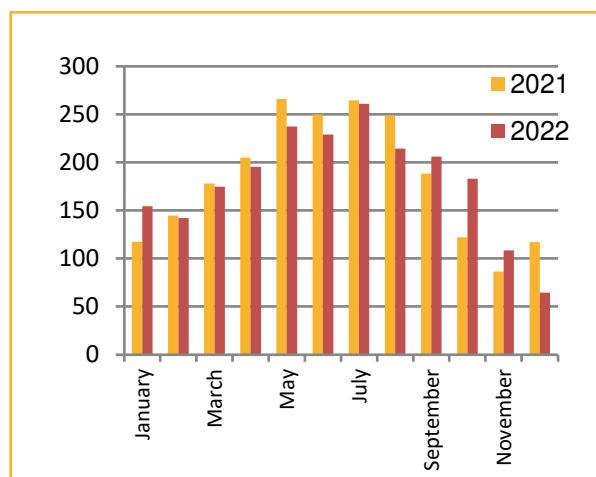


19,78



Total production graph

% difference : -0,84%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: ENSTRUCT GROUSOPOULOS
Location: Melisohori /Larissa
Country/Region: Greece
Longitude: 22°29'56" East
Latitude: 39°37'54" North

System configuration:

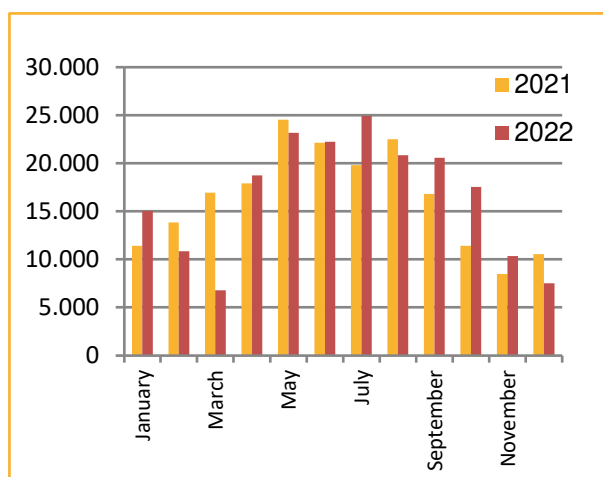
Rated installation output: 99,36 kWp
Number of trackers 10 X 9000NT
Number of modules S-Energy SM-240PA8
Number of inverters 10 x Sunny Tripower 10000TL-10
Installer ENSTRUCT

Connected to Grid Since 2012

Production period

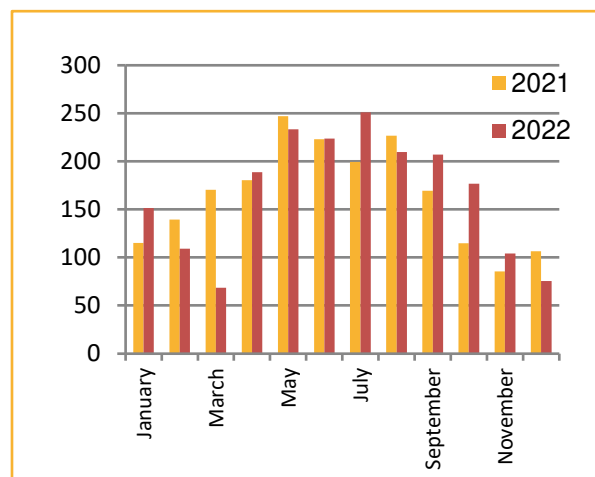
JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	11420,00	114,94	15030,00	151,27
February	13830,00	139,19	10840,00	109,10
March	16930,00	170,39	6790,00	68,34
April	17910,00	180,25	18740,00	188,61
May	24550,00	247,08	23180,00	233,29
June	22150,00	222,93	22230,00	223,73
July	19800,00	199,28	24920,00	250,81
August	22520,00	226,65	20840,00	209,74
September	16810,00	169,18	20570,00	207,02
October	11410,00	114,83	17550,00	176,63
November	8470,00	85,25	10340,00	104,07
December	10560,00	106,28	7500,00	75,48
TOTAL	196360,00	1976,25	198530,00	1998,09

**99,36 kW**

Total production graph

% difference : 1,09%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Rizoulis
Location: Dimitra Agias / Larissa
Country/Region: Greece
Longitude: 39°41'17" North
Latitude: 22°37'53" East

System configuration:

Rated installation output: 98,7 kWp
Number of trackers 10X9000NT
Number of modules Sanyo HIT-N235SE10
Number of inverters 10 x Sunny Tripower 10000TL-10
Installer ENSTRUCT

Connected to Grid since 2012

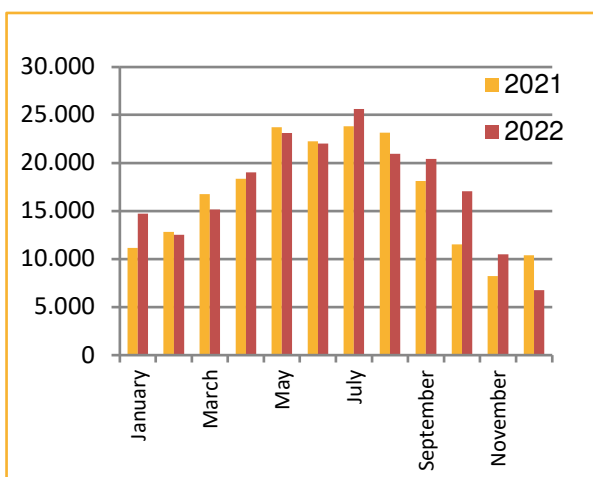
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	11160,00	113,07	14720,00	149,14
February	12840,00	130,09	12510,00	126,75
March	16770,00	169,91	15140,00	153,39
April	18360,00	186,02	19030,00	192,81
May	23720,00	240,32	23120,00	234,25
June	22240,00	225,33	22010,00	223,00
July	23820,00	241,34	25620,00	259,57
August	23140,00	234,45	20950,00	212,26
September	18130,00	183,69	20430,00	206,99
October	11530,00	116,82	17060,00	172,85
November	8240,00	83,49	10490,00	106,28
December	10390,00	105,27	6770,00	68,59
TOTAL	200.340	2.030	207.850	2.106

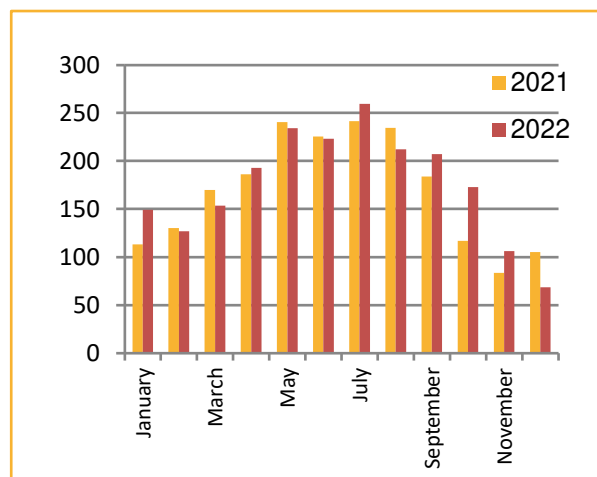


98,7 kW



Total production graph

% difference : 3,61%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Diamantopoulos 445
Location: Andragousta
Country/Region: Greece
Longitude: 38°6'57" North
Latitude: 21°57'8" East

System configuration:

Rated installation output: 19,92 kWp
Number of trackers 2 X 9000NT
Number of modules aleo S_19 (240W)
Number of inverters 2 x Sunny Tripower 10000TL-10
Installer PV-Tech

Connected to Grid since 2012

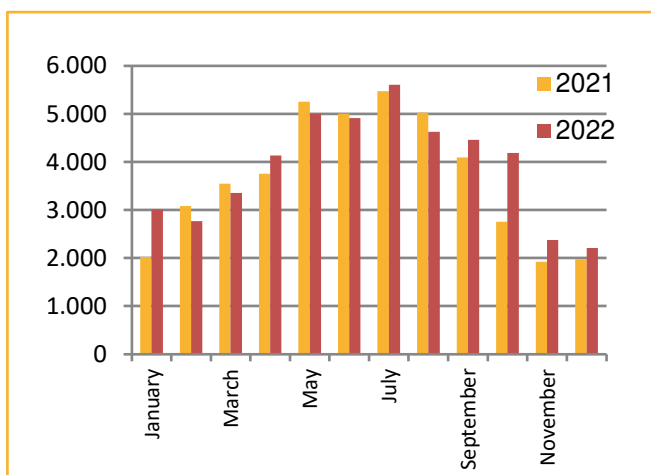
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	2019,77	101,39	3015,44	151,38
February	3080,93	154,67	2766,55	138,88
March	3544,67	177,95	3356,02	168,47
April	3751,99	188,35	4133,71	207,52
May	5253,43	263,73	5008,51	251,43
June	5004,52	251,23	4916,58	246,82
July	5472,62	274,73	5608,03	281,53
August	5028,82	252,45	4630,1	232,43
September	4091,88	205,42	4462,04	224,00
October	2751,93	138,15	4188,96	210,29
November	1919,31	96,35	2378,21	119,39
December	1978,36	99,32	2211,05	111,00
TOTAL	43898,23	2203,73	46675,20	2343,13

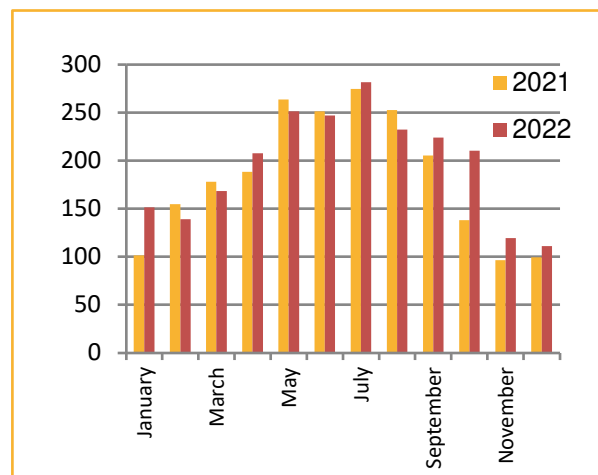


19,92 kW



Total production graph

% difference : 5,95%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Avelion
Location: Amphilochia
Country/Region: Greece
Longitude: 38°51'48" North
Latitude: 21°57'8" East

System configuration:

Rated installation output: 99,96 kWp
Number of trackers 11 X 9000 NT
Number of modules 408 x aleo S_19 (245W)
Number of inverters 6 x Sunny Tripower 17000TL-10

Installer AVELION

Connected to Grid since 2012

Production period

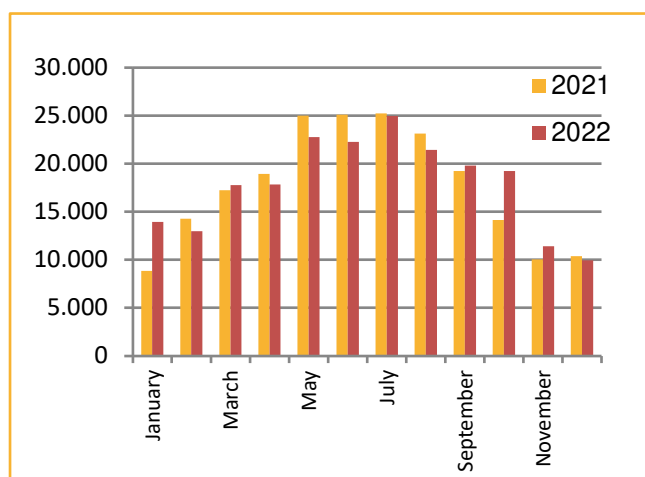
JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	8850,00	88,54	13920,00	139,26
February	14280,00	142,86	12960,00	129,65
March	17240,00	172,47	17770,00	177,77
April	18930,00	189,38	17820,00	178,27
May	25000,00	250,10	22750,00	227,59
June	25090,00	251,00	22260,00	222,69
July	25230,00	252,40	24960,00	249,70
August	23130,00	231,39	21420,00	214,29
September	19240,00	192,48	19790,00	197,98
October	14140,00	141,46	19230,00	192,38
November	10040,00	100,44	11390,00	113,95
December	10360,00	103,64	9930,00	99,34



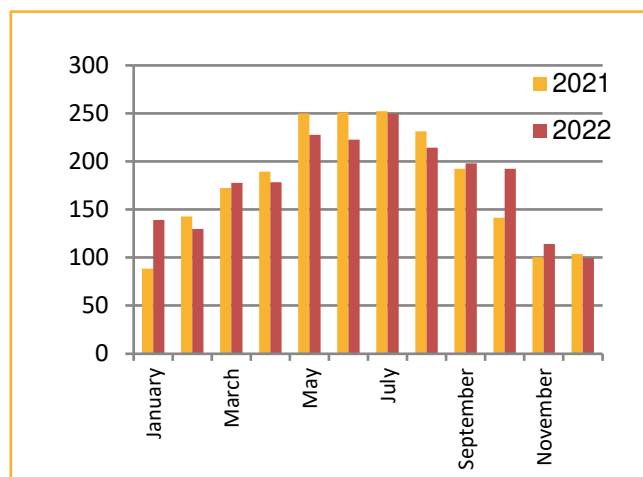
99,54 kW

TOTAL	211530,00	2116,15	214200,00	2142,86
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Total production graph

% difference : 1,25%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: KAZENERGY ΙΑΣΜΟΣ-ΚΟΠΤΕΡΟ
Location: Komotini
Country/Region: Greece
Longitude: 45°07'08" North
Latitude: 25°07'17" East

System configuration:

Rated installation output: 99,88 kWp
Number of trackers 15 X 7000 NT
Number of modules 434 x Sunways SM210U - 230wp
Number of inverters 15 x Sunny Mini Central 7000TL
Installer KAZENERGY

Connected to Grid since 2009

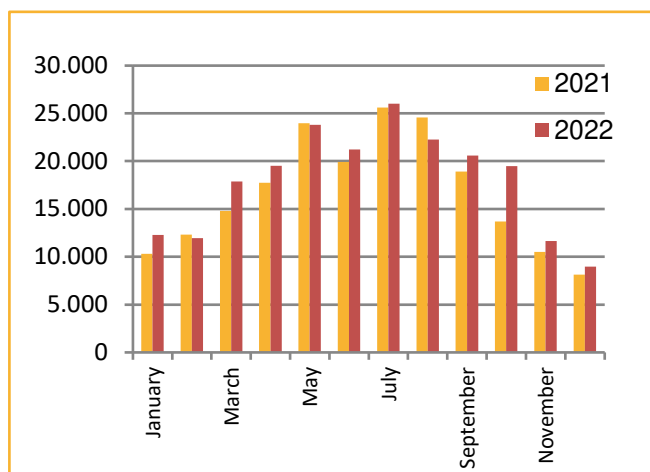
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	10300,00	103,12	12280,00	122,95
February	12310,00	123,25	11960,00	119,74
March	14780,00	147,98	17870,00	178,91
April	17720,00	177,41	19520,00	195,43
May	23940,00	239,69	23770,00	237,99
June	19890,00	199,14	21210,00	212,35
July	25590,00	256,21	26000,00	260,31
August	24570,00	246,00	22250,00	222,77
September	18900,00	189,23	20570,00	205,95
October	13690,00	137,06	19470,00	194,93
November	10500,00	105,13	11630,00	116,44
December	8140,00	81,50	8960,00	89,71
TOTAL	200330,00	2005,71	215490,00	2157,49

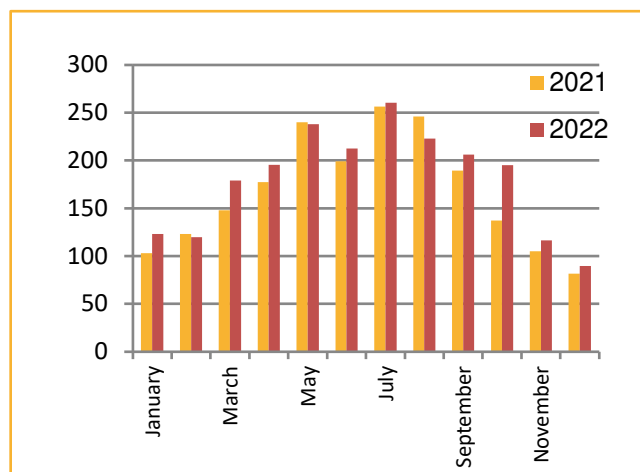


99,88 kW



Total production graph

% difference : 7,04%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification:	ΓΕΩΡΓΙΑΝΤΑ ΕΥΑΓΓΕΛΙΑ
Location:	Argolida
Country/Region:	Greece
Longitude:	37°39'27" North
Latitude:	22°47'34" East

System configuration:

Rated installation output:	100 kWp
Number of trackers	10 X 9000 NT
Number of modules	400 X Axitec AC-250M/156-60S
Number of inverters	10 x Sunny Tripower 10000TL-10
Installer	Γ.Μάρας & Χ.Ντάφλος OE GreenVolt

Connected to Grid since 2012

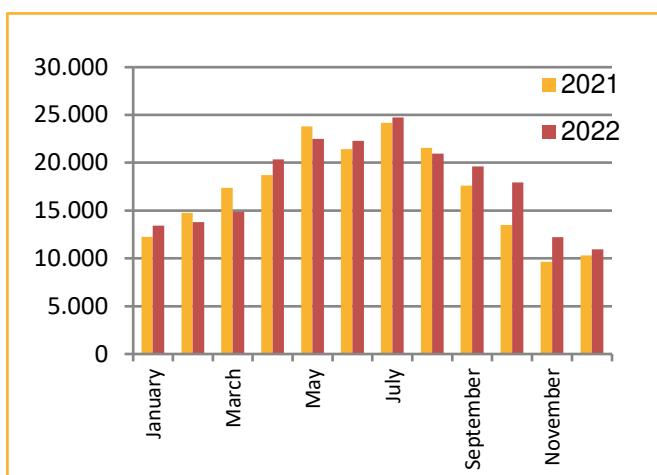
Production period

JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	12240,00	122,40	13420,00	134,20
February	14770,00	147,70	13770,00	137,70
March	17350,00	173,50	14870,00	148,70
April	18710,00	187,10	20330,00	203,30
May	23770,00	237,70	22470,00	224,70
June	21400,00	214,00	22270,00	222,70
July	24150,00	241,50	24720,00	247,20
August	21530,00	215,30	20940,00	209,40
September	17600,00	176,00	19600,00	196,00
October	13470,00	134,70	17920,00	179,20
November	9640,00	96,40	12220,00	122,20
December	10300,00	103,00	10950,00	109,50
TOTAL	204930,00	2049,30	213480,00	2134,80

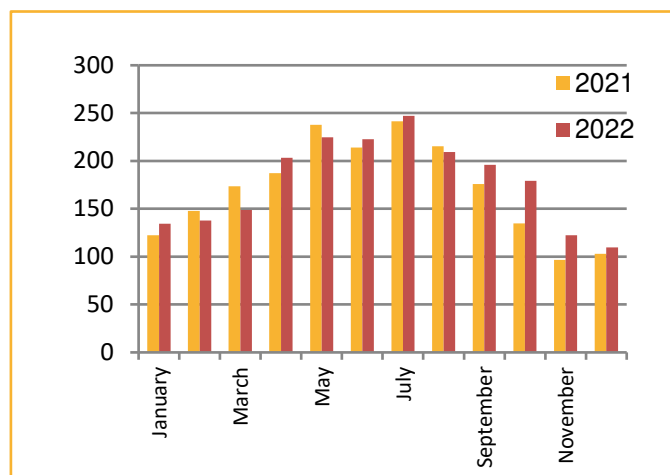


100 kW



Total production graph

% difference : 4,01%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: HELIDA ENEPFEIAKH AE_3
Location: Molaoi Lakonias
Country/Region: Greece
Longitude: 36°48'15" North
Latitude: 22°51'18" East

System configuration:

Rated installation output: 99,68 kWp
Number of trackers 18 X 5000 NT
Number of modules 356 X Suntech STP280-24/Vb
Number of inverters 18 x Sunny Boy 5000TL-20
Installer ECOSOL

Connected to Grid since 2009

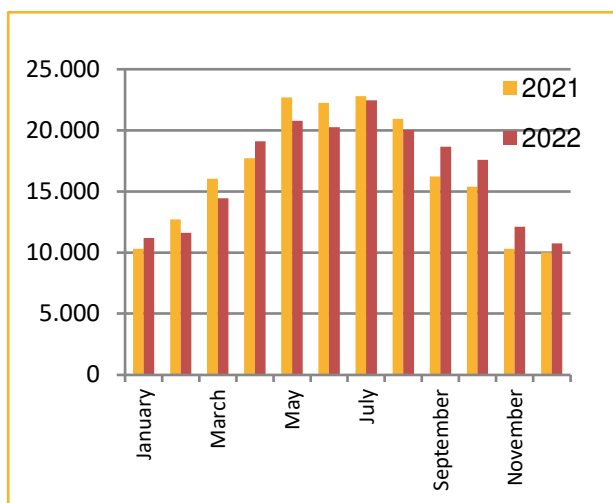
Production period

JANUARY 2021 - DECEMBER 2022

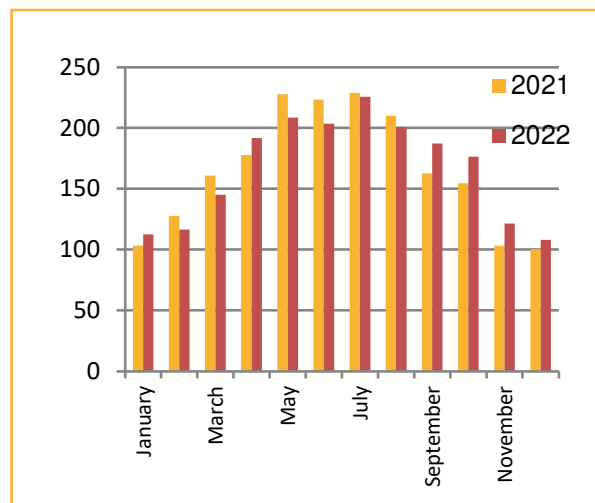
Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	10300,00	103,33	11200,00	112,36
February	12720,00	127,61	11610,00	116,47
March	16030,00	160,81	14450,00	144,96
April	17720,00	177,77	19100,00	191,61
May	22700,00	227,73	20770,00	208,37
June	22240,00	223,11	20270,00	203,35
July	22790,00	228,63	22470,00	225,42
August	20930,00	209,97	20010,00	200,74
September	16220,00	162,72	18660,00	187,20
October	15390,00	154,39	17580,00	176,36
November	10300,00	103,33	12100,00	121,39
December	10010,00	100,42	10750,00	107,85
TOTAL	197350,00	1979,84	198970,00	1996,09



99,88 kW



Total production graph % difference : 0,81%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Kolovos ENERGY
Location: Kokkoni / Korinthia
Country/Region: Greece
Longitude: 37°56'19" North
Latitude: 22°55'56" East

System configuration:

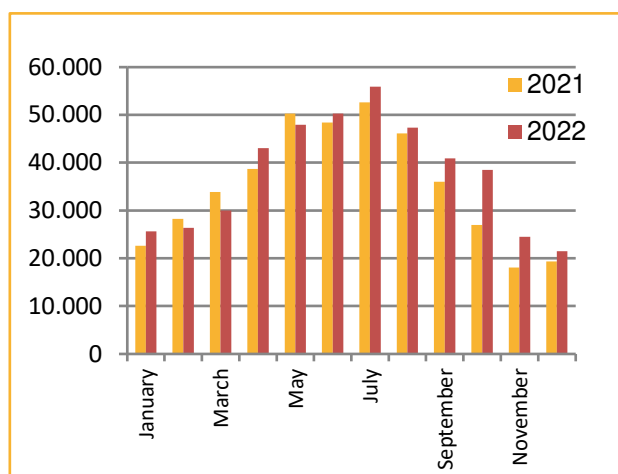
Rated installation output: 197 kWp
Number of trackers: 21 x 7000 NT
Number of modules: 756 x Suntech STP 275-24/vd
Number of inverters: 30 x Sunny Mini Central 7000TL
Installer: Supportech Energy
 Θεόφιλος Ιατρού

Production period

JANUARY 2021 - DECEMBER 2022

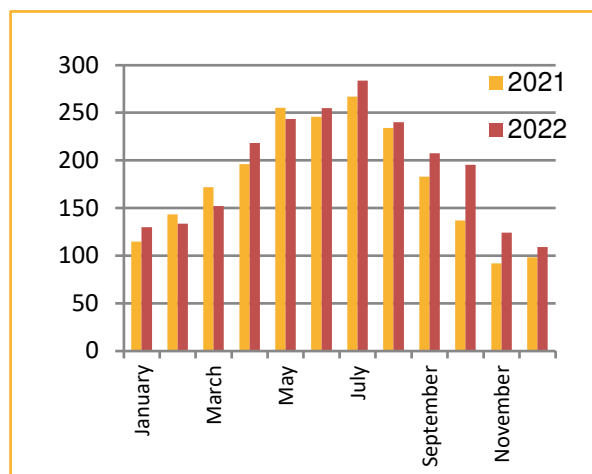
Connected to Grid since 2010

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	22590,00	114,67	25590,00	129,90
February	28220,00	143,25	26340,00	133,71
March	33880,00	171,98	29960,00	152,08
April	38640,00	196,14	43010,00	218,32
May	50240,00	255,03	47920,00	243,25
June	48370,00	245,53	50220,00	254,92
July	52590,00	266,95	55890,00	283,71
August	46110,00	234,06	47280,00	240,00
September	36020,00	182,84	40860,00	207,41
October	26990,00	137,01	38460,00	195,23
November	18080,00	91,78	24460,00	124,16
December	19350,00	98,22	21500,00	109,14
TOTAL	421080,00	2137,46	451490,00	2291,83

**197 kW**

Total production graph

% difference : 6,74%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Kolovos ENERGY
Location: Stimaga/ Korinthia
Country/Region: Greece
Longitude: 37°54'35" North
Latitude: 22°41'59" East

System configuration:

Rated installation output: 100 kWp
Number of trackers 10 X 9000 NT
Number of modules 420 x SUNTECH STP 280-24/Vd
Number of inverters 9 x Sunny Mini Central 11000TL
 Sunny Tripower 10000TL-10

Installer

Supportech Energy- Θεόφιλος Ιατρού

Production period

JANUARY 2021 - DECEMBER 2022

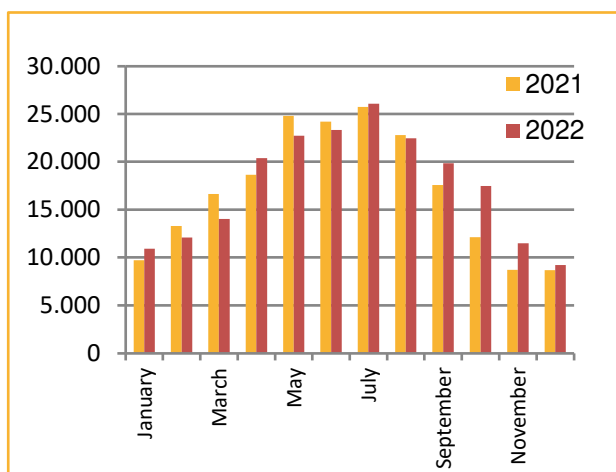
Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	9710,00	97,10	10930,00	109,30
February	13300,00	133,00	12100,00	121,00
March	16630,00	166,30	14010,00	140,10
April	18630,00	186,30	20390,00	203,90
May	24790,00	247,90	22710,00	227,10
June	24200,00	242,00	23310,00	233,10
July	25730,00	257,30	26080,00	260,80
August	22790,00	227,90	22460,00	224,60
September	17570,00	175,70	19850,00	198,50
October	12130,00	121,30	17470,00	174,70
November	8710,00	87,10	11470,00	114,70
December	8670,00	86,70	9220,00	92,20

TOTAL	202860,00	2028,60	210000,00	2100,00
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Connected to Grid since 2011

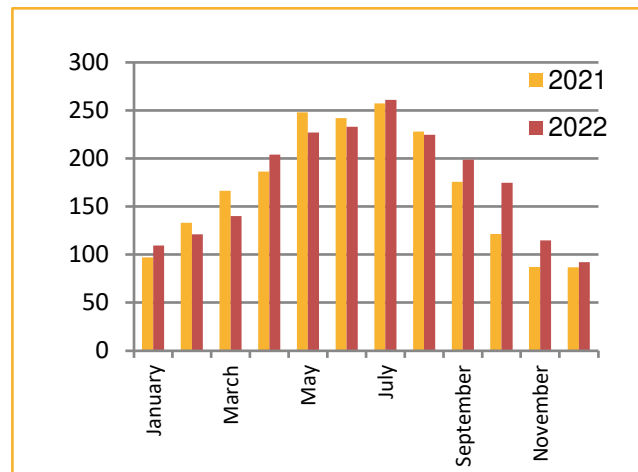


100 kW



Total production graph

% difference : 3,40%



Production performance: kWh/kWp

Basic installation data:

Solar plant identification: Kouroukaopoulos
Location: Rizomylos /
 Magnesia
Country/Region: Greece
Longitude: 39°25'51.45" North
Latitude: 22°43'10.56" East

System configuration:

Rated installation output: 99,91 kWp
Number of trackers 10 x S100
Number of modules 340 x RISEN 240Wp, 108 Solar Frontier SF170S-170Wp
Number of inverters 5 x SINVERT 20KW
Installer KK ENEPFEIAKH OE

Connected to Grid since 2013

Production period

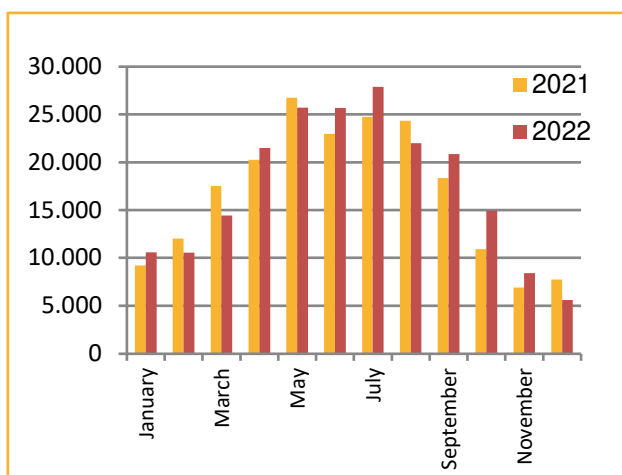
JANUARY 2021 - DECEMBER 2022

Month	2021		2022	
	kWh total	kWh/kWp	kWh total	kWh/kWp
January	9207,70	92,16	10587,00	105,97
February	12027,50	120,38	10545,00	105,54
March	17511,30	175,27	14432,60	144,46
April	20237,40	202,56	21497,70	215,17
May	26738,30	267,62	25690,90	257,14
June	22950,80	229,71	25678,00	257,01
July	24746,60	247,69	27896,50	279,22
August	24333,00	243,55	21980,50	220,00
September	18329,90	183,46	20854,90	208,74
October	10906,90	109,17	14916,70	149,30
November	6902,70	69,09	8393,30	84,01
December	7741,70	77,49	5608,10	56,13



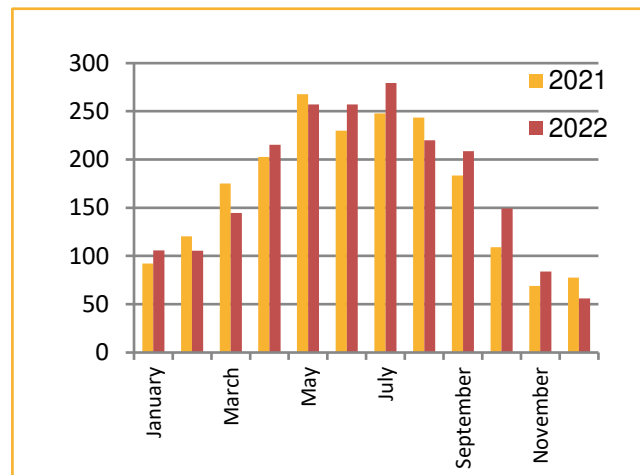
99,91 Kw

TOTAL	201633,80	2018,15	208081,20	2082,69
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Total production graph

% difference : 3,10%



Production performance: kWh/kWp

Notice :

The energy installation was upgraded (from fixed mounting-previous state) to single axis tracking systems S100-DR In July 2017.

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



Best Wishes for Great yields during 2023!!!