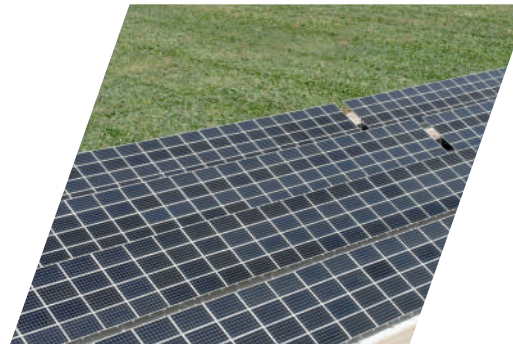


**Rooftop
Solar EPC**



**Ground Mounted
Solar EPC**

Solar Procurement



**Solar Panel
Production**

aksay  **enerji**

Your Reliable Solar EPC Partner

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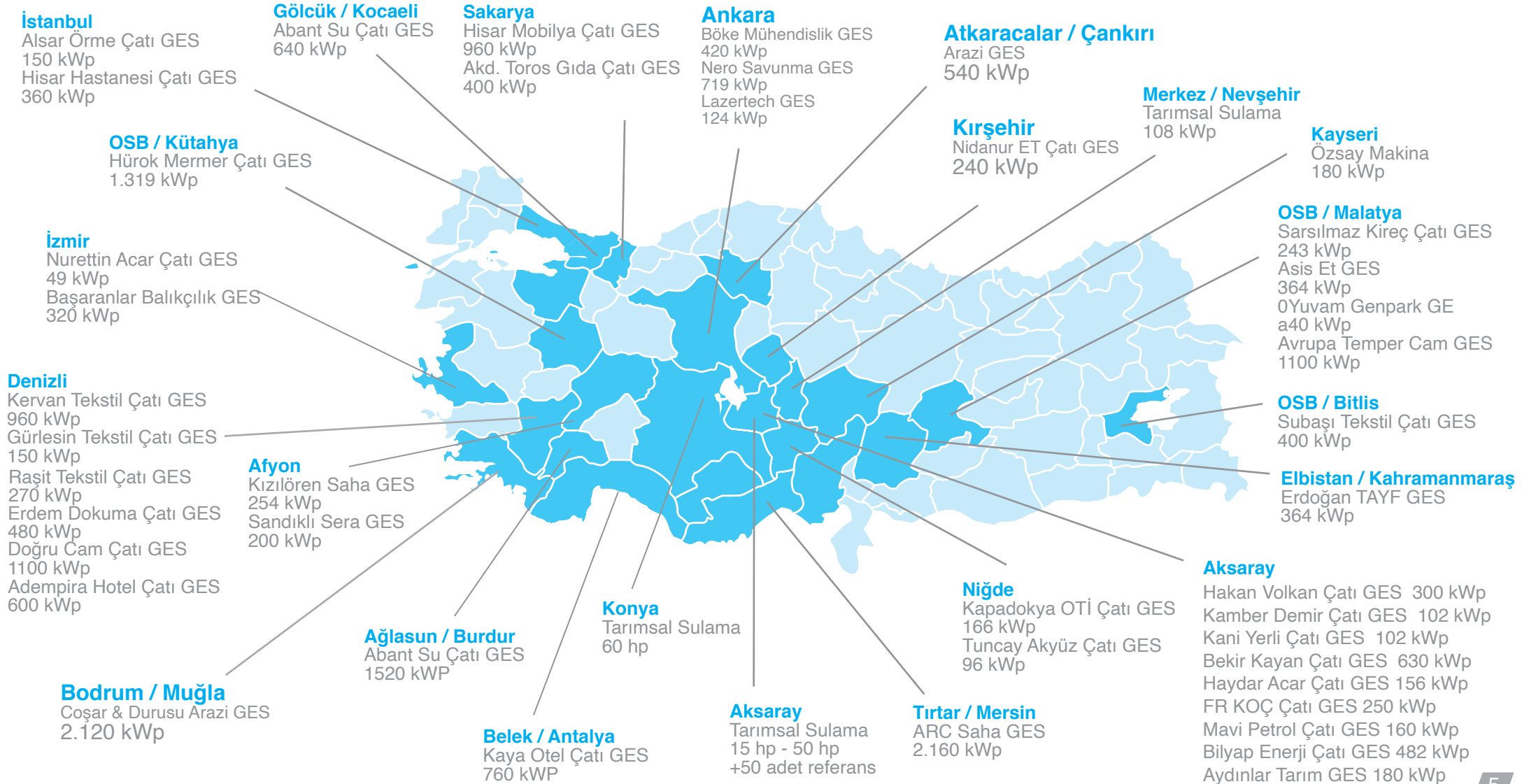
solar-mesken

About Us

About Us

As Aksay Energy, we provide services in engineering, projects, solar energy sector, lighting applications with solar energy, all off-grid and on-grid systems. We take place among the turkish leading companies in the solar energy by completing small, medium and large scale solar power plant projects with quality and continuity in Turkey and Middle East. We also offer turnkey projects in electricity generation with solar energy by completing all the engineering and feasibility studies in house with our expert staff who keeps up with the ever-changing and developing technology in solar energy.

We finished **134** projects of **82** customers
with **236.000** solar panels
in **6** years
all over the world



What we do?

What we do?

Project & Design

Single-line diagram, electrical and statical projects required for the application of unlicensed electricity generation in on-grid solar power plants are prepared by our experienced engineers.

In roof type and ground type applications, by making simulations in computer supported programs such as AEROTOOL and PVGIS and by calculating optimum panel quantity and panel angle, it is aimed to ensure the amortization of the investment in the shortest time. Our team, which designs unique projects for each site, does not use standard projects unlike the other companies.

Roof mechanical assembly of solar panels is subject to static project. The wind load and weight calculations that the panel will create on the roof are made by our expert engineer staff, and the reinforcement projects of risky and unbearable structures are also prepared by our engineers.

Grid Connection Aggrements

We provide a service to our investors from A to Z with our expert technical staff in unlicensed electricity generation plants. During the development phase of the grid connection, it is our priority to accelerate the project by preparing all the documents required for roof and land applications in accordance with the standards requested by the relevant distribution company. After the agreement, the first steps, which are an important stage in the realization of the project, are completed by our team, with the approval of the projects and the connection agreement.



Rooftop Solar
Mechanical and Statical Calculations

are done by

AEROTOOL

Procurement

Solar Mounting Systems

.Aksay Energy, is a sales distributor of AEROCOMPACT which is one of the biggest companies in roof solar mounting systems production and project fields. We provide not only products but also solutions to all investors and EPC companies with the AEROCOMPACT models that steer the sector with their patented products on flat concrete roof, membrane roof, trapezoidal roof, tile roof and sandwich panel roof. With AEROCOMPAT products delivered from stock, we put into practice your SPP projects as soon as possible by providing high engineering service.

INTELLIGENT
SOLAR
RACKING

MORE
PRODUCT **SOLUTIONS**

MORE
FLEXIBILITY

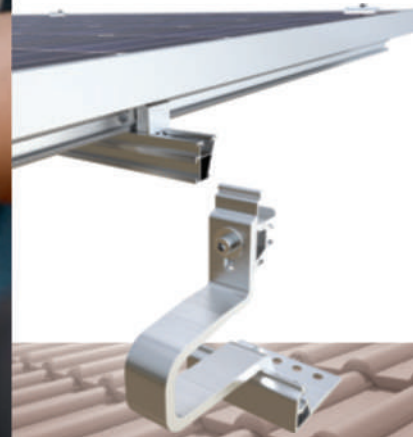
COMPACT**FLAT**

Flat roof systems



COMPACT**PITCH**

Pitched roof systems



COMPACT**METAL**

Metal roof systems

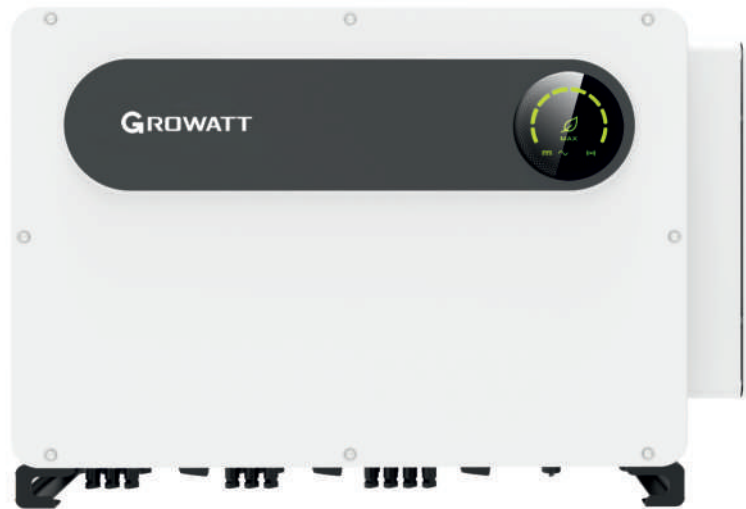


Procurement Inverter

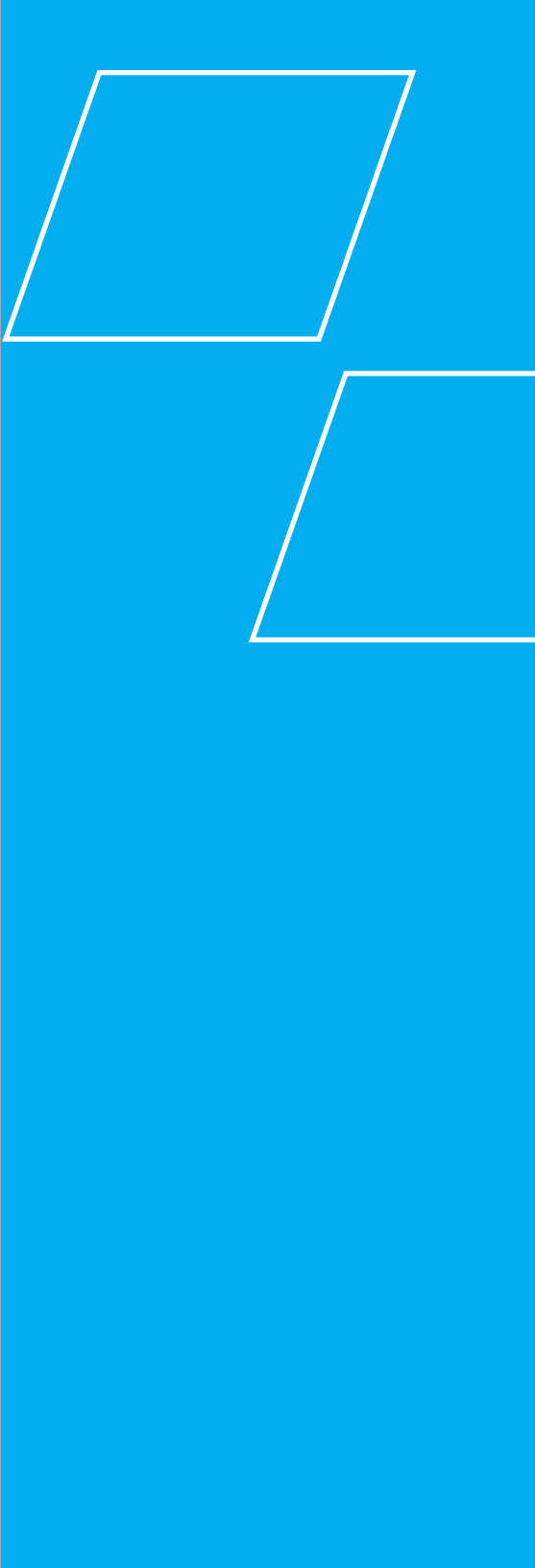
Aksay Energy is the authorized dealer of Form Elektrik, the Turkey distributor of GROWATT inverters, which is among the top three most preferred inverter companies in the world. GROWATT inverters, which are distinguished from their competitors with their strong stock and extensive service network in on-grid and hybrid inverters, and all the optional features in other brands are offered as standard to investors with Growatt. GROWATT inverters, which are distinguished from their competitors in on-grid and hybrid inverters with their strong stock and extensive service network, are offered to investors as standard with all the optional features of other brands.



MAX 50~80KTL3 LV



MAX 100~125KTL3-X LV



Datasheet	MAX 100KTL3-X LV		MAX 110KTL3-X LV		MAX 120KTL3-X LV		MAX 125KTL3-X LV	
Input data (DC)								
Max. DC voltage					1100V			
Start voltage					195V			
Nominal voltage					600V			
MPP voltage range					180V-1000V			
No. of MPP trackers					10			
No. of PV strings per MPP tracker					2			
Max. input current per MPP tracker					32A			
Max. short-circuit current per MPP tracker					40A			
Output data (AC)								
AC nominal power	100000W		110000W		120000W		125000W	
Max. AC apparent power	110000VA		121000VA		132000VA		137500VA	
Nominal AC voltage(range*)	400V/380V(340-440VAC)							
AC grid frequency (range*)	50/60 Hz(45~55Hz/55-65 Hz)							
Max. output current	158.8A@400V 167.1A@380V		174.6A@400V 183.8A@380V		190.5A@400V 200.5A@380V		198.5A@400V 208.9A@380V	
Adjustable power factor	0.8leading ...0.8lagging							
THDI	<3%							
AC grid connection type	3W/N/PE							
Efficiency								
Max. efficiency					98.8%			
European efficiency	98.4%		98.5%		98.5%		98.5%	
MPPT efficiency					99.9%			
Protection devices								
DC reverse polarity protection					Yes			
DC switch					Yes			
AC/DC surge protection					Type II / Type II			
Insulation resistance monitoring					Yes			
AC short-circuit protection					Yes			
Ground fault monitoring					Yes			
String detection					Yes			
Anti PID function					Opt			
Arc fault detection (AFCI)					Opt			
General data								
Dimensions (W / H / D)					970/640/345mm			
Weight					84kg			
Operating temperature range					-30°C ... +60°C			
Nighttime power consumption					< 1W			
Topology					Transformerless			
Cooling					Smart Cooling			
Protection degree					IP66			
Relative humidity					0~100%			
Altitude					4000m			
DC connection					H4/MC4 (Max.6mm²)			
AC connection					OT Terminal (Max. 240mm²)			
Display					LED/WIFI+APP			
Interfaces: RS485 / USB /PLC/GPRS/4G/WIFI					Yes/Yes/Optional/Optional/Optional/Optional			
Warranty: 5 years / 10 years					Yes /Optional			
CE,IEC62116, IEC61727, CQC, VDE0126, VFR2019, EN50549-1, C10/C11, UNE206007, G99 CEI 0-21/0-16, N4105, UNE206006,MEA, PEA, KSC8565								

* The AC voltage range and frequency range may vary depending on specific country grid standard.
All specifications are subject to change without notice.

Procurement

Material Supply

Aksay energy supplies all materials required for a power plant from 3kW to 10mW. Aksay Energy, with its strong stock infrastructure, supplies all materials used in the construction of a solar power plant such as Solar Panel, Inverter, Construction, DC Cable, AC Cable, Cable Tray, Ges Panel, Connector and even warning signs for your domestic and international projects.

Mounting Systems Solar Panel

DC Cable

Inverter

AC Cable

Grounding

Cable Tray

Electrical Panel



Ready Stock

Solar Projects

Solar Projects

As Aksay Energy, we have taken part in 134 projects of 92 customers in 7 countries of 3 continents of the world in 6 years by completing the installation of approximately 216,000 solar panels. Our references, which are an indicator of trust in us, decide to continue with Aksay Energy in power increase projects or new projects.

Fast Delivery

With our strong stock infrastructure and our experienced teams consisting of our own personnel, we can energize the system in fields up to 1 MW in 45 days. In projects for which the call letter application is ongoing, our investors can use the energy produced during the day for their own consumption, thus we aim to ensure the amortization of the investment in the shortest time.

Warranty

We provide a 30-year factory warranty for the panels, which we have completed with our own expert staff without a subcontractor, and a 5-year factory warranty for inverters, as well as an assembly warranty in Ground Mounted and Roof Type Solar projects,.

Project Partnership

Providing solution partnerships to the strongest retail energy sales companies in the sector, Aksay Energy also provides project solution partnerships to companies and individuals in the energy sector as well as investors..

Rooftop Solar Projects



Kaya Palazzo Belek Golf Hotel GES

740 kWp, 2021

We meet your
expectations
with



h i g h
quality



Aksay Energy prioritizes Safety in all the projects it undertakes. In Roof Type Solar Energy Systems projects, Aksay Enerji does not start the projects without lifeline and Safe Walkways in its projects and eliminates possible accidents.

aksay enerji



DAXLER
816 Adet
DAXLER - 535W
Modül Kullanılmıştır

GROWATT
4 Adet
MAX100KTL3 (100 kW)
İnvertör Kullanılmıştır

Böke Mühendislik Makina GES

442 kWp, 2022





Yüksekyayla GES
166 kWp, 2020
Eşmekaya / AKSARAY



Kapadokya Organik Tarım GES

Mandıra Trapez Sac Üzeri

166 kWp, 2020

Yeşilgölcük / NiğDE

Akinli Demir Kardeşler GES
Mandıra Trapez Sac Üzeri
Galvanizli Çelik Taşıyıcı
102 kWp, 2020
Yenikent / Aksaray





NERO Endüstri Savunma GES

719 kWp, 2022

Anadolu OSB / ANKARA



NERO Endüstri Savunma GES

719 kWp, 2022

Anadolu OSB / ANKARA

CW Enerji

1580 Adet
CWT455 - 455W
Modül Kullanılmıştır

GROWATT

6 Adet
MAX100KTL3 (100 kW)
İnvertör Kullanılmıştır



Abant Su Ađlasun GES

1176 kWp, 2022, Ađlasun / BURDUR



CW Enerji

2.585 Adet
CWT455 - 455W
Modül Kullanılmıştır

Abant Su Ağlasun GES

1176 kWp, 2022
Ağlasun / BURDUR

aksay enerji



DAXLER
872 Adet
DAXLER - 330W
Modül Kullanılmıştır

GROWATT
4 Adet
MAX60KTL3 (60 kW)
İnvertör Kullanılmıştır

Nidanur ET GES

288 kWp, 2021, Özbağ / KIRŞEHİR



Eřmekaya GES
314 kWp, 2020
Eřmekaya / AKSARAY

GROWATT
MAX60KTL3 (60 kW)
ve
MAX80KTL3 (60 kW)
İnvertör Kullanılmıştır





Bekir Kayan GES

630 kWp, 2021, Yenikent / AKSARAY



TKDK desteği ile yapılmıştır.
Danışman: Mahmut ESER



Bekir Kayan GES
630 kWp, 2021
Yenikent / AKSARAY





TAYF-Erdoğan GES



CW Enerji

800 Adet
CWT455 - 455W
Modül Kullanılmıştır

GROWATT

3 Adet
MAX100KTL3 (100 kW)
İnvertör Kullanılmıştır



TAYF Erdoğan GES

364 kWp, 2022
Elbistan / K.MARAS



Hürok Mermer GES



CW Enerji

2900 Adet
CWT455 - 455W
Modül Kullanılmıştır

GROWATT

9 Adet
MAX125KTL3 (125 kW)
İnvertör Kullanılmıştır



HÜROK MERMER GES

1319 kWp, 2022
1. OSB / KÜTAHYA



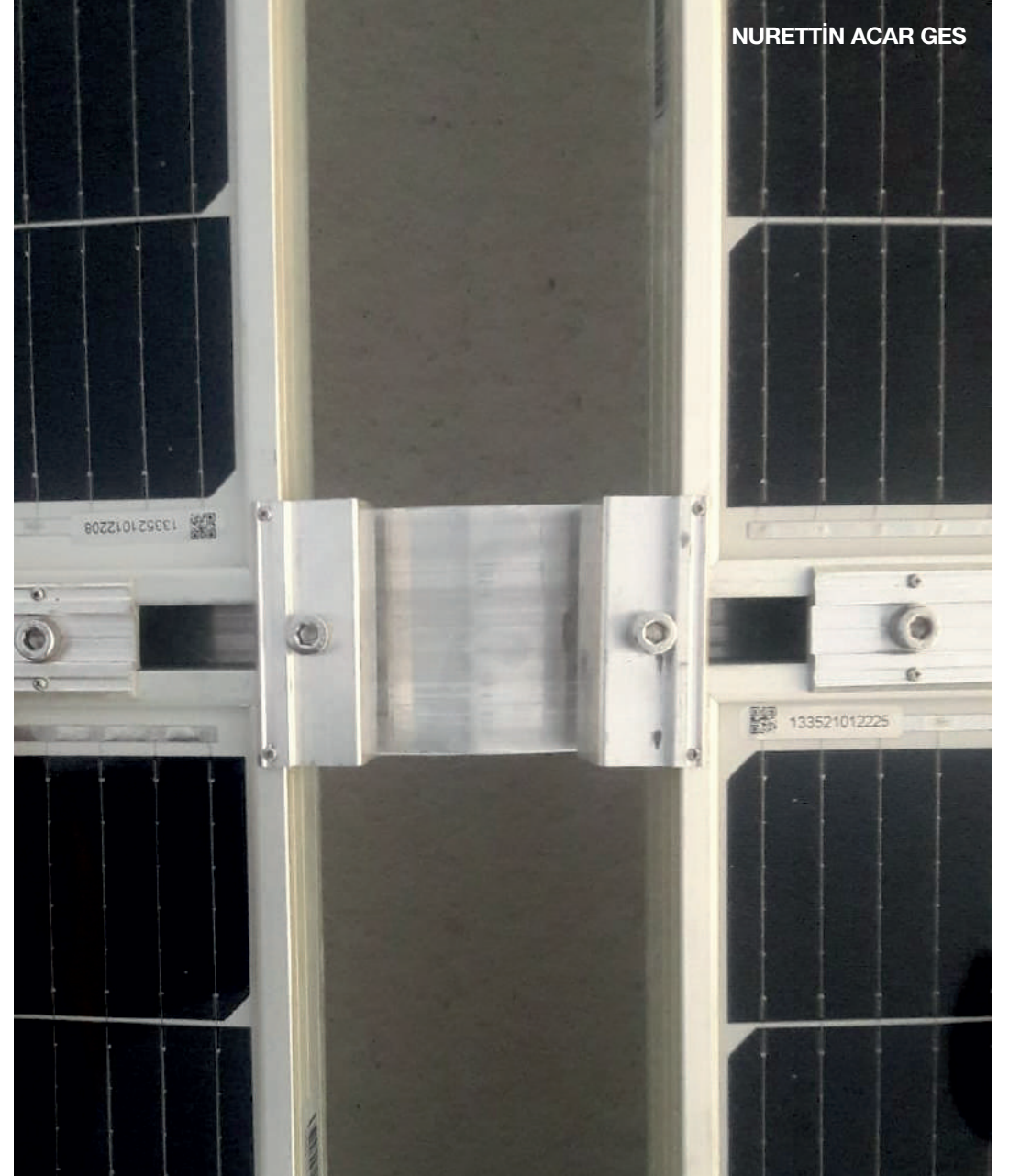
NURETTİN ACAR GES

61 kWp, 2022, Ödemiş / İZMİR



CW Enerji

135 Adet
CWT455 - 455W
Modül Kullanılmıştır



NURETTİN ACAR GES

AEROCOMPACT®

Çatı Zemini Delinmeden
Alüminyum Altyapı Konstrüksiyon
Kullanılmıştır.

Ground-Mounted Solar Projects



TIRTAR GES

1145 kWp, 2017, Tirtar / MERSİN



COŞAR GES / DURUSU GES
2180 kWp, 2017
Dereköy / BODRUM





KIZILÖREN BELEDİYESİ GES
Alka Mühendislik Ltd. Şti.
256 kWp, 2018
Kızılören / AFYONKARAHİSAR

Ground Mounted Solar Projects

As Aksay Energy, we provide services at all stages for ground-mounted type solar power plant investment. Our expert team prepares the land for application by obtaining the "dry marginal agricultural land" letters, which the investor needs before the application, from the relevant institutions. Aksay Energy engineers ensure that the investment reaches the stage where it will produce energy as soon as possible by following all bureaucratic procedures, respectively, before and after the application, which starts with the purchase of the land and ends with the Solar Energy Systems acceptance.



Solar Irrigational Projects



ABDULAZİZ YILMAZ TARIMSAL SULAMA GES

60 HP MOTOR, 73 kWp, 2021, Akhan / AKSARAY



RAHİM DAĞ TARIMSAL SULAMA GES
60 HP MOTOR, 73 kWp
2021, Akhan / AKSARAY



MEHMET AKDERE TARIMSAL SULAMA GES

200 HP MOTOR, 261 kWp, 2021, Yenikent / AKSARAY



ON-GRID INVERTOR ile Tarımsal Sulama Uygulaması
Mehmet Akdere, Yenikent / AKSARAY



MOTOR SÜRÜCÜSÜ (Frekans Kontrollü) ile Tarımsal Sulama Uygulaması
50 HP

