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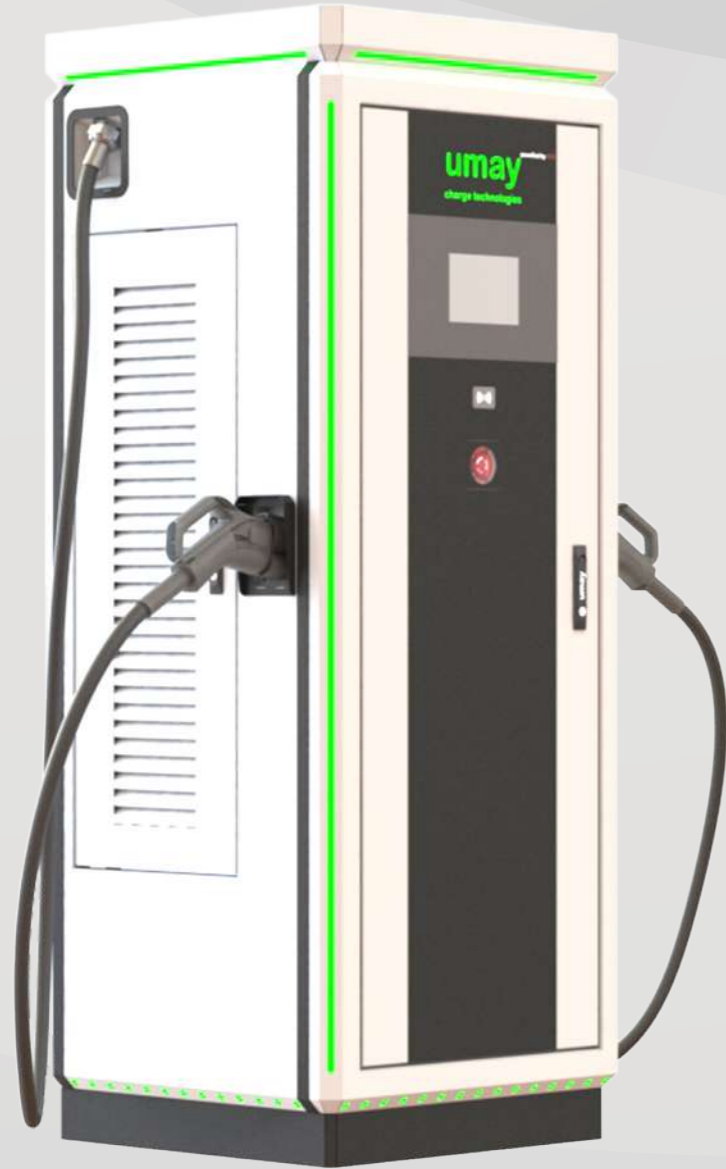
umay

charging technologies



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Safe



Fast Charging



Data Log



High Performance



Mass Production
Experience



Remote Access



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As the Great ATATÜRK stated, "Those who set out not to rest never get tired."
In this blessed path we set out by adopting the philosophy as a motto, to be TÜRKİYE's Greatest Low Voltage Panel Manufacturer and to become a competitive actor in global markets,
We believe we need to have first type test certificates by creating documentations that confirm with validations.



ABOUT US

AFB ENERGY and ENGINEERING Construction and Contracting, Trade. Ltd Co. has "Türkiye's widest product range and type test certification for its range."

AFB ENERGY is a company that we have been serving in many domestic and international infrastructure and structure projects in 8500 m² for manufacturing, 1500m² for testing, 2000m² for administrative area with more than 100 employees in a facility of 12.000 m² in total.

AFB ENERGY and ENGINEERING Company is an international player. It has been manufactured the 0.4k, 1kV AG Panels, 1kV Sheet Transformer Kiosks in

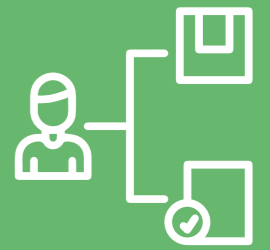
Yavuz Sultan Bridge, Osmangazi Bridge, 1915 Çanakkale Bridge, Ankara-Niğde Highway, Northern Marmara Highway, İzmir Menemen- Çandarlı Highway, Bursa- İzmir- Aydın- Denizli Highway Projects by AFB ENERGY and ENGINEERING Company.



EXPERIENCE



MASS
PRODUCTION



DOMESTIC
PRODUCTION

OUR MISSION

Our priority is to produce efficiently with the lowest possible costs on the basis of a measurable and evaluable data-driven system, and meet customers needs and demands in line with market dynamics.

On the basis of the experiences we have gained during our 20 years, our desire is to be identified with our quality and reliable productions. It is our effort and rule

OUR VISION

Our vision is to be the Greatest Low Voltage Panel Manufacturer in TÜRKİYE.

Our main goal and priority is to provide fastest solutions with high quality to represent our country in global markets.

WHY UMAY

- Experience in Engineering and Manufacturing for 32 years.
- Experience in Software and Type Testings.
- Having a Type Test Laboratory ,We have advantage for R&D and P&D
- Mass Production Experience
- Being able to perform FAT and SAT Tests as a Domestic Manufacturer.
- Manufacturing and Project Experience that is acquired in Highway Sector for years
- Service Facilities and Median Lighting on Highways
- As a Manufacturer of Panel and Sheet Transformer Kiosks,



• The product has the function that ensures the safety of users and vehicles that all the charging processes and monitor communication data that is capable of giving early warning of abnormal charging multi-protection design and active protection.

- It is safe for the DC leakage ,due to the DC isolation device.
- Remote Update for Firmware
- After it is plugged in and activated the AC Contactor Car Charging Gun Power Module, It prevents the waste of Energy.

- DC Chargers are convenient to add an extra AC gun.
- Compliant with ISO/IEC 15118, IEC 61851 and DIN 70121
- Remote Firmware Update
- Built-in support Device Monitoring Performance and diagnostic monitoring support for Internal SD card up to 32GB for Data Storage
- Built-in anti-battery current backflow protection circuit in DC power modules
- Internal output residual voltage relief circuit in DC power modules
- Input overvoltage/undervoltage in DC power modules, output overvoltage voltage, over-current and over-temperature protection, output undervoltage alarm and output short circuit protection
- Built-in support Device Monitoring Performance and diagnostic monitoring support
- Built-in anti-battery current backflow protection circuit in DC power modules



AC EV CHARGER

Alternative-1
Single Socket Outlet



AC EV CHARGER

Single socket outlet plus
wired gun outlet for hybrid
system



DC EV CHARGER

Alternative -1
DC controller & Power module



AC EV CHARGER

Alternative-2
Single wired gun outlet



AC EV CHARGER

Alternative-4
Two sockets outlets
or wired guns

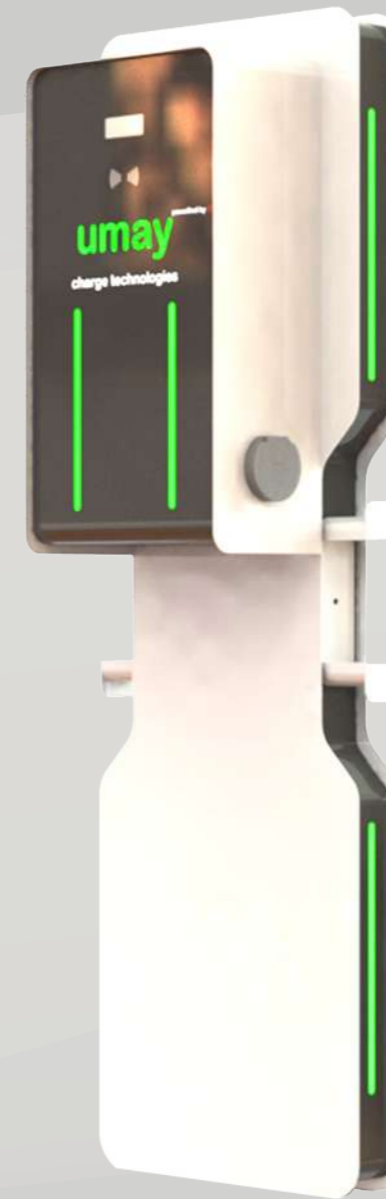


DC EV CHARGER

Alternative-2
Open Controller & Power module
(Equipments: SIEMENS brand)
(Software is developed by AFB)

PRODUCTS LIST

No	Source	Power (kW)	Output types: G: Gun S: Socket	Controller Types: DCC : DC controller OPC : Open controller ACC : AC controller	ORDER CODES
1	AC	3,7	1S	ACC	umc/AC-3,7/1S/ACC
2	AC	3,7	1G	ACC	umc/AC-3,7/1G/ACC
3	AC	3,7	1S + 1G	ACC	umc/AC-3,7/1S+1G/ACC
4	AC	3,7	2S	ACC	umc/AC-3,7/2S/ACC
5	AC	3,7	2G	ACC	umc/AC-3,7/2G/ACC
6	AC	7,4	1S	ACC	umc/AC-7,4/1S/ACC
7	AC	7,4	1G	ACC	umc/AC-7,4/1G/ACC
8	AC	7,4	1S + 1G	ACC	umc/AC-7,4/1S+1G/ACC
9	AC	7,4	2S	ACC	umc/AC-7,4/2S/ACC
10	AC	7,4	2G	ACC	umc/AC-7,4/2G/ACC
11	AC	11	1S	ACC	umc/AC-11/1S/ACC
12	AC	11	1G	ACC	umc/AC-11/1G/ACC
13	AC	11	1S + 1G	ACC	umc/AC-11/1G/ACC
14	AC	11	2S	ACC	umc/AC-11/2S/ACC
15	AC	11	2G	ACC	umc/AC-11/2G/ACC
16	AC	22	1S	ACC	umc/AC-22/1S/ACC
17	AC	22	1G	ACC	umc/AC-22/1G/ACC
18	AC	22	1S + 1G	ACC	umc/AC-22/1S+1G/ACC
19	AC	22	2S	ACC	umc/AC-22/2S/ACC
20	AC	22	2G	ACC	umc/AC-22/2G/ACC
21	DC	30	1G	DCC	umc/DC-30/1G/DCC
22	DC	30	1G	OPC	umc/DC-30/1G/OPC
23	DC	60	1G	DCC	umc/DC-60/1G/DCC
24	DC	60	1G	OPC	umc/DC-60/1G/OPC
25	DC	90	1G	DCC	umc/DC-90/1G/DCC
26	DC	90	1G	OPC	umc/DC-90/1G/OPC
27	DC	120	1G	DCC	umc/DC-120/1G/DCC
28	DC	120	1G	OPC	umc/DC-120/1G/OPC
29	DC	120	2G	DCC	umc/DC-120/2G/DCC
30	DC	120	2G	OPC	umc/DC-120/2G/OPC
31	DC	160	1G	DCC	umc/DC-160/1G/DCC
32	DC	160	1G	OPC	umc/DC-160/1G/OPC
33	DC	160	2G	DCC	umc/DC-160/2G/DCC
34	DC	160	2G	OPC	umc/DC-160/2G/OPC
35	DC	180	1G	DCC	umc/DC-180/1G/DCC
36	DC	180	1G	OPC	umc/DC-180/1G/OPC
37	DC	180	2G	DCC	umc/DC-180/2G/DCC
38	DC	180	2G	OPC	umc/DC-180/2G/OPC
39	DC	240	1G	DCC	umc/DC-240/1G/DCC
40	DC	240	1G	OPC	umc/DC-240/1G/OPC
41	DC	240	2G	DCC	umc/DC-240/2G/DCC
42	DC	240	2G	OPC	umc/DC-240/2G/OPC
43	DC	320	1G	DCC	umc/DC-320/1G/DCC
44	DC	320	1G	OPC	umc/DC-320/1G/OPC
45	DC	320	2G	DCC	umc/DC-320/2G/DCC
46	DC	320	2G	OPC	umc/DC-320/2G/OPC
47	DC	400	1G	DCC	umc/DC-400/1G/OPC
48	DC	400	1G	OPC	umc/DC-400/1G/OPC
49	DC	400	2G	DCC	umc/DC-400/2G/DCC
50	DC	400	2G	DCC	umc/DC-400/2G/OPC



-  Safe
-  Fast Charging
-  Data Log
-  High Performance
-  Mass Production Experience
-  Remote Access



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