28 Years
The quality choice for all your power needs

PAM POWER
www.pompower.in

ARAI
Progress through Research
CERTIFIED

EV DC FAST CHARGER

RANGE: 30 KW - 480 KW



Remote O & M
Load Balancing
RFID
Plug & Play
OCPP
Ethernet
4G
Bluetooth
Wi-fi

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EV AC CHARGER

CAPACITY : 7KW, 11KW, 22KW

COMMERCIAL APPLICATIONS
11KW, 22KW

RESIDENTIAL APPLICATIONS
7KW



Remote O & M
Load Balancing
RFID
Plug & Play
OCPP
Ethernet
4G
Bluetooth
Wi-fi

Empowering the Future:

The Next Generation of EV Charging Intelligence

Experience the pinnacle of electric vehicle infrastructure with POM POWER's ultra-versatile charging solution, designed to bridge the gap between high-performance engineering and user-centric design. Whether you are a homeowner seeking a reliable daily charge or a commercial operator managing a growing fleet, our system provides the speed, safety, and smart connectivity required for the modern road.

PACS SERIES AC CHARGER

Tailor your power delivery to your specific environment with our highly adaptable POMPOWER AC Chargers.

- **Scalable Power Levels :** Choose from 7kW, 11kW, or 22kW options to match your vehicle's intake and your facility's capacity.
- **Universal Connection :** The integrated IEC 62196-2 Type 2 cable ensures seamless compatibility with the vast majority of modern EVs.
- **Extended Reach :** Navigate any parking layout with ease thanks to our standard 5m cable or the optional 7m extended-reach version.

Future-Ready Design & Seamless Setup

POMPOWER has re-engineered the installation and user experience to be as intuitive as possible.

- **Effortless Installation:** Our innovative drawer-style wiring allows for a quick setup without the need for complex disassembly.
- **Dynamic Visuals:** Stay informed with a real-time digital display that provides clear, up-to-the-minute data on your charging status.
- **Intelligent Networking:** Deploy multiple units effortlessly using a wireless self-organising network and engage with our intuitive SDLC visual interface.

Total Connectivity & Flexibility

Take control of your charging ecosystem with a suite of smart access and communication tools.

- **Universal Access:** Start your session your way—utilise Plug & Charge, secure RFID authentication, or optional Plug & Play functionality.
- **Always Connected:** Stay synced via Wi-Fi, Ethernet, or Bluetooth, with optional 4G for total remote accessibility.

Industrial-Grade Reliability & Safety

Our chargers are built to survive the elements while providing laboratory-grade electrical safety.

- **Ruggedized Durability :** Featuring IP65 weatherproofing, IK08 impact resistance, and a UV-resistant housing to ensure longevity in the harshest conditions.
- **Advanced Thermal Management :** Engineered with copper thermal dissipation and relay arc suppression for a cooler, safer, and more durable charging cycle.
- **Comprehensive Protection:** Every unit features built-in OPEN protection and a multi-layer safety system certified to CE, CB, and UKCA standards.

Intelligent Management at Your Fingertips

Maximize efficiency through world-class software integration and remote oversight.

- **Global Protocol Support:** Fully compatible with OCPP 1.6J and 2.0.1, as well as ISO 15118 for a truly automated "Plug & Charge" experience.
- **Remote Oversight:** Manage your entire network from anywhere using the professional PowerConfig web portal.
- **Simplified Expansion:** Grow your infrastructure with ease using our daisy-chain networking capability.

PDCS SERIES DC FAST CHARGER

Core POMPOWER DC Charger Products

POMPOWER manufactures DC Fast Chargers for electric vehicle (EV) charging infrastructure, particularly concentrating in Modular DC fast chargers. We focus on high-power, scalable solutions for commercial, industrial, and public transport applications.

POMPOWER offers several categories of DC charging equipment:

- **Wall-mounted DC EV Chargers:** Compact units like the PDCS-30, providing up to 30kW of power. These are designed for space-constrained areas like private garages, commercial office buildings, or hotels.
- **Floor-standing DC Fast Chargers:** Standard fast chargers ranging from 60kW to 180kW, suitable for gas stations and public parking lots.
- **High Power EV Charging Stacks:** Ultra-fast charging systems (such as the PDCS-360 and PDCS-480) capable of delivering up to 480kW. These typically use a "split" design where a central power unit distributes energy to multiple charging posts.
- **Solar-powered DC-DC Chargers:** Intelligent modular chargers that integrate directly with photovoltaic (PV) systems and battery storage, allowing for off-grid or grid-buffered fast charging.

Technical Features & Specifications

- **Modular Design:** POMPOWER chargers use DC power modules (typically in 30kW or 40kW increments) that allow for easy maintenance and future power upgrades.
- **Compatibility:** Most models support standard protocols including CCS1, CCS2, CHAdeMO, and GB/T, making them compatible with all major EV brands.
- **Efficiency:** POMPOWER systems boast an overall efficiency of ≥95%, with some high-power modules reaching up to 97%.
- **Output Voltage:** Wide output ranges (e.g., 50VDC to 1000VDC) allow these chargers to support both standard passenger EVs and 800V high-performance vehicles or electric buses.
- **Smart Integration:** They support OCPP 1.6J and 2.0.1 for remote management and integration with billing platforms.

EV DC FAST CHARGER

TECHNICAL SPECIFICATIONS

Model	PDCS-30, PDCS-60, PDCS-90, PDCS-120, PDCS-150, PDCS-180, PDCS-240, PDCS-300, PDCS-360, PDCS-420, PDCS-480
AC Input for the DC Output	
Power connection	3P+N+ PE
Voltage range	400 Vac ± 20%
Frequency	50 Hz or 60 Hz
Nominal input current & power	45A/30kW, 87A/60KW, 130A/90KW,174A/120kW,217A/150kW,260A/180kW
Power factor	> 0.997
Overall efficiency	97% (Power Module), 96.5% (System)
DC Output	
Voltage	50Vdc-1000Vdc
Max Current	200A(60kW) / 250A(200A optional)
Nominal Power	30kW-480kW
AC Output	
Voltage	400 VAC
Current	63 A(default) / 32 A(optional)
Nominal Power	43 kVA(default)/22 kVA(optional)
General Specifications	
Output mode	Multi-standard DC outputs (Mode-4), with AC (Mode-3)
Connectors AC-Interface	CCS1, CCS2, CHAdeMO, NACS, AC Type 2 TYPE 2 Plug 43KW (default), 22KW (optional)
Display	10.4" TFT Touch screen
RFID system	ISO/IEC14443A, Mifare
Network connection	4G | LAN | Wi-Fi (Auto Switching from LAN to 4G)
Communication Protocols	OCPP1.6J (OCPP 2.0 upgradable)
Environment	Indoor/outdoor
Operating temperature	-35°C~60°C (-35°C-20°C heating required)
Storage Temperature	-40 °C to +70 °C
Operating humidity	<95% non-condensing
Altitude	Up to 2000 m
Protection degree	IP55, IK10
Acoustic noise	<65 dB
Compliance and safety	CE, IEC EN 61851, EN 62196, DIN 70121, ISO 15118, OCPP 1.6 Security Certificate
Size (W*D*H, mm)	dual 1150*625*2000

EV AC CHARGER

TECHNICAL SPECIFICATIONS

Model	PACS 7	PACS 11	PACS 22
ELECTRICAL SPECIFICATION			
Input Connector	Direct connection, Hardwired Optional		
Voltage	230 VAC ± 10%	400 VAC ± 10%	
Amperage/ Power Output	32A/7 KW	16A/11 KW	32A/22KW
Energy Metering Accuracy	±1%		
Mounting Option	Wall or Pedestal mount, Pedestal Operate		
CHARGING INTERFACE			
Charging Connector	IEC 62196-2 Compliant Type 2 cable		
Charging Cable Length	5m Standard, 7m Optional		
USER INTERACTION			
Display	4.3" colour LCD		
Authentication	RFID: ISO14443 Type A&B		
COMMUNICATION			
Network Interface	LAN and WIFI/BT Standard, 4G Optional		
Charging Protocol	OCPP16J		
SAFETY & COMPLIANCE			
Safety Protection	RCD: TypeA+DC6mA, Ground Residual Current Monitor: BS-7671. O-PEN: BS-7671, Surge Protection: 4kV @2,000A		
Protection	UVP, OVP, OCP, OTP, Control Pilot Fault, Relay-sticking, Ground Fault, O-PEN		
Safety Compliance	IEC61851-1, IEC61851-21-2, EN 62311, EN 62479, IEC/EN 62955		
ENVIRONMENTAL			
Operating Temperature	-30°C - 60°C		
Operating Humidity	Up to 95% RH, Non-condensing		
Operating Altitude	≤2000m, No Derating		
SPECIFICATION			
Net Weight	6KG		
Gross Weight	7.2KG		
Product Dimensions	341W*200D*111H(mm)		
Package Dimensions	438W*373D*315H(mm)		

OUR BRANCHES

NEW DELHI
F-128, Ground Floor & Second Floor
Room No. 203, Jhandu Mention Building
Mohammadpur Village,New Delhi – 110066
Mob . 9035679578

CHENNAI
#2, Muthaiyal Street, First Floor, Little Mount ,
Saidapet, Chennai - 600 015,
Mob: 9108992485.

TRIVANDRUM
T C 20/1361 (1), G Floor, Amal Plaza
Kudapanakunnu P. O, Thiruvananthapuram - 695 043
Mob. 9035032567

COIMBATORE
Skyon, # 451, Ist Floor, Kamarajar Road,
Peelamedu, Coimbatore - 641004
Mob :9036180749

VISAKHAPATNAM
No : 50-27-17/4, Seethammadhara NE
NRI Hospital Road, Visakhapatnam - 530013
Mob. 9902228907

HUBBALLI
Shop No. 03, Ground Floor, Sri Lakshmi Complex,
Opp. Rotory School , Deshpande Nagar,
Hubballi, Dharwad (Dist) Pin 580020
Mob. 9036180742

HYDERABAD
No: 64-9/2 and 6-4-9/2/A, Bholakpur
Secunderabad, Hyderabad - 500 080
Mob. 9902231099

KOLKATA
D2/2, Block EP & GP, Convergence Contact Centre
Sector 5, Bidhan Nagar, Salt Lake, Kolkata
Mob: 9036180747

AHMEDABAD
A-413, Supath-2 Complex, near Regenta Hotel
Opp. Old Vadaj Bus Stop, Umanpura, Ashram Road
Ahmedabad-380013

ERNAKULAM
VRWA - 49 , 52 / 2898 A, Kooduthotty
Behind SBI Vytilla Branch, Maplassery Road
Kochi-682019,
Mob. 9035070283

PATNA
Near Shyama Villa Apartment,Road No 6,
Rajapur, Boring Road, Patna-800001
Mob. 9606978032

TIRUPATI
No 16, Sri Nilayam, H No 15-191
Ground Floor , Dhanalakshmi Nagar Extn,
Gandhipuram, Tirupati-517507
Mob. 9035032565

PUNE
Plot no P 81, D 2 Block, Behind Kabre Hospital
MIDC Chinchawad, Pune - 411 038
Mob . 9036180744

MUMBAI
No. 620, Marathon Max, Mulund Goregaon
Link Road, Mulund West, Mumbai - 400 080
Mob. 9035032568

LUCKNOW
451/6 Indira Nagar, A-Block
Lucknow-226016,
Mob. 9606978038

UDUPI
Door No -6-99 B-5 Manchi, 1st Cross Indrali
Alevoor Road Udupi - 576104
Mob. 9606978037

VIJAYAWADA
No : 39-9-42, SVS Temple Street, Labbipet
Vijayawada - 520 010
Mob. 9902228907

NOIDA
A321, Anthurium,
Sector 73, Noida, UP-201301
Mob : 9902226370

CHANDIGARH
05, Raipur Khurd, Behind Tribune Colony,
Chandigarh-160003
Mob : 9902226370

PAM SYSTEMS & SERVICES PVT. LTD

98440 34106 | 90350 10265

Factory & Head office : No. 75, 6 th Main, 3 rd Phase, Peenya Industrial Area, Bangalore - 560 058 pompower@pompower.in

Jaipur | Kannur | Kottayam | Mysore | Madurai | Belgaum | Ballari | Goa | Tiruchirappalli | Nagpur | Raipur | Indore
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