



## Smart EV Chargers



ARKIN Mini



ARKIN Pro



ARKIN Lite 1.1



ARKIN Lite



ARKIN Plus

### Product Overview:

**ARKIN** is an indigenously designed and developed, smart, compact, customizable, reliable, and affordable EV charging platform, offering a one-stop charging solution for e2W, e3W and e4W vehicles.

### Features and Benefits:

- ⚡ Level 2 charging station with upto 32A charging power.
- ⚡ Adaptive to consumer's project requirements.
- ⚡ Bluetooth, Ethernet, Wi-Fi, and GSM (4G) enabled.
- ⚡ Rated for indoor and outdoor use.
- ⚡ Control and monitoring via mobile application.
- ⚡ RFID/Mobile Application based user authentication.
- ⚡ Power Theft protection.
- ⚡ Plug out protection.
- ⚡ OCPP 1.6 compatible.
- ⚡ Smart Output.
- ⚡ Smart Lookback charge feature enables EV charging to restart following a power cut thereby reducing the chance of being stranded with an uncharged EV.
- ⚡ Detachable cord management for easy storage between uses.
- ⚡ Unique composite configurations.
- ⚡ Advertisement support with 7 inches interactive LCD touchscreen option.
- ⚡ Non-permanent installation makes it easier to remove and replace or take it with you in the event you move.

**Easy Adapt +** - Every customer is unique having different sets of product requirements that solve specific problems or meet specific goals. Our system design supports easy customizations. With Easy Adapt + we offer custom tailored EV charging products that are made as per the project needs. We build new functionalities in the product to support our client's business use cases.

# ARKIN Mini

## 3.3 KW AC EV Charging Station

(1x3.3 KW IEC 60309 / 3 pin socket)

### Specifications

Power	
Input Rating	110 – 240 VAC, 50 Hz Single Phase
Input Wire	L1, N, G hard wired
Output Wire	1x IEC 60309 socket
Output Rating	1x IEC 60309 sockets (output 3.3 KW )
Charging Interface	1 x IEC 60309 socket
Standby Power	<1 W
Protection	
Electrical protections	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Surge protection, Over temperature
Cold load pick-up	Randomized delay before charge resume after power failure
Ground Fault**	External RCCB Recommended ( additional accessory)
Upstream Breaker**	External 2-pole 20 A breaker Recommended (additional accessory)
Plug-out protection	Not supported
Smart output Detection	If output unused for 4 mins the output will be automatically switched OFF
Environment	
Operating Temperature	0° C to + 55° C
Humidity	5 to 95 % relative humidity, non-condensing
Mechanical Design	
Enclosure Material	Mild steel
Dimensions (mm)	250w x340hx113.2d
IP rating	IP 55
Cooling	Natural Air cooled
Mounting Type	Wallmount/ Mounting Stand
Net Weight	1.5 Kg

### Specifications

User Interface & Control	
Display Screen	Not supported
Digital Advertising on Display Screen	Not supported
LED indicators	Supported
Power ON/OFF switches	Key Switch or Mobile Application
Emergency Stop switch	Supported
Communication	
Charging Kiosk to Vehicle communication	Not supported
Charging Kiosk to Charging Management System communication	OCCP 1.6
User authentication	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge, Mobile Application
WiFi connectivity	Supported
Bluetooth connectivity	Supported
GSM Modem (2G/3G/4G)	Optional
10/100 Base-Tx Ethernet (Standard)	Supported
Metering	
	Onboard meter (Accuracy of 0.1Wh)



# ARKIN Pro

## 7.2 KW AC EV Charging station

(1x 7.2 KW 32 Amps IEC 62196-2 Type 2 socket, 1x3.3 KW IEC 60309 / 3 pin socket)

### Specifications

Power	
Input Rating	110 – 240 VAC, 50 Hz Single Phase
Input Wire	L1, N, G hard wired
Output Wire	1x IEC 60309 socket, 1x IEC 62196-2 Type 2 socket
Output Rating	1x IEC 60309 socket (output 3.3 KW ), 1x IEC 62196-2 Type 2 socket (output 7.2 KW) ( any one output active at a time)
Charging Interface	1 x IEC 60309 socket or IEC 62196-2 Type 2 socket, Type 2 - Type 2 5m cable. (any one output active at a time)
Standby Power	< 1 W
Protection	
Electrical protections	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Surge protection, Over temperature
Cold load pick-up	Randomized delay before charge resume after power failure
Ground Fault**	External RCCB Recommended ( additional accessory)
Upstream Breaker**	External 2-pole 20 A breaker Recommended (additional accessory)
Plug-out protection	Output terminated upon detection of Type 2 charging connector plug-out
Smart output Detection	If output unused for 4 mins the output will be automatically switched OFF
Environment	
Operating Temperature	0° C to + 55° C
Humidity	5 to 95 % relative humidity, non-condensing
Mechanical Design	
Enclosure Material	Mild steel
Dimensions (mm)	325w x400hx132d
IP rating	IP 55
Cooling	Natural Air cooled
Mounting Type	Wallmount/ Mounting Stand
Net Weight	7.5 Kg

### Specifications

User Interface & Control	
Display Screen	Not supported
Digital Advertising on Display Screen	Not supported
LED indicators	Supported
Power ON/OFF switches	Key Switch or Mobile Application
Emergency Stop switch	Supported
Communication	
Charging Kiosk to Vehicle communication	As per IEC 62196 Type 2 Standard
Charging Kiosk to Charging Management System communication	OCCP 1.6
User authentication	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge, Mobile Application
WiFi connectivity	Supported
Bluetooth connectivity	Supported
GSM Modem (2G/3G/4G)	Optional
10/100 Base-Tx Ethernet (Standard)	Supported
Metering	
	Onboard meter (Accuracy of 0.1Wh)



## ARKIN Lite 1.1

### 3.3 KW AC EV Charging Station

(3x1.1 KW IEC 60309 / 3 pin sockets)

#### Specifications

##### Power

Input Rating	110 – 240 VAC, 50 Hz Single Phase
Input Wire	L1, N, G hard wired
Output Wire	3 x IEC 60309 sockets
Output Rating	3 x IEC 60309 sockets (output 1.1 KW )
Charging Interface	3 x IEC 60309 sockets
Standby Power	< 1 W

##### Protection

Electrical protections	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Surge protection, Over temperature
Cold load pick-up	Randomized delay before charge resume after power failure
Ground Fault**	External RCCB Recommended ( additional accessory)
Upstream Breaker**	External 2-pole 20 A breaker Recommended (additional accessory)
Plug-out protection	Not supported
Smart output Detection	If output unused for 4 mins the output will be automatically switched OFF

##### Environment

Operating Temperature	0° C to + 55° C
Humidity	5 to 95 % relative humidity, non-condensing

##### Mechanical Design

Enclosure Material	Mild steel
Dimensions (mm)	325w x400hx132d
IP rating	IP 55
Cooling	Natural Air cooled
Mounting Type	Wallmount/ Mounting Stand
Net Weight	7.5 Kg

#### Specifications

##### User Interface & Control

Display Screen	Not supported
Digital Advertising on Display Screen	Not supported
LED indicators	Supported
Power ON/OFF switches	Key Switch or Mobile Application
Emergency Stop switch	Supported

##### Communication

Charging Kiosk to Vehicle communication	Not supported
Charging Kiosk to Charging Management System communication	OCPP 1.6
User authentication	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge, Mobile Application
WiFi connectivity	Supported
Bluetooth connectivity	Supported
GSM Modem (2G/3G/4G)	Optional
10/100 Base-tx Ethernet (Standard)	Supported

##### Metering

Onboard meter (Accuracy of 0.1Wh)



## ARKIN Lite

### 10KW AC EV Charging Station

(3x3.3 KW IEC 60309 / 3 pin sockets)

#### Specifications

##### Power

Input Rating	415 V AC, 50 Hz Three Phase
Input Wire	L1, L2, L3, N and PE, hardwired with terminal block
Output Wire	3 x IEC 60309 sockets L1 N E ,L2 N E,L3 N E
Output Rating	3 x IEC 60309 sockets (output 3.3 KW each)
Charging Interface	3x IEC 60309 sockets
Standby Power	< 1 W

##### Protection

Electrical protections	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Surge protection, Over temperature
Cold load pick-up	Randomized delay before charge resume after power failure
Ground Fault	Power leakage to ground, fault current 15 – 20 mA
Upstream Breaker	2-pole 20 A breaker on dedicated circuit, non-GFCI type
Plug-out protection	Not supported
Smart output Detection	If output unused for 4 mins the output will be automatically switched OFF

##### Environment

Operating Temperature	0° C to + 55° C
Humidity	5 to 95 % relative humidity, non-condensing

##### Mechanical Design

Enclosure Material	Mild steel
Dimensions (mm)	325w x 400h x 132d
IP rating	IP 55
Cooling	Natural Air cooled
Mounting Type	Wallmount/ Mounting Stand
Net Weight	7.5 Kg

#### Specifications

##### User Interface & Control

Display Screen	7" LCD Touch Screen
Digital Advertising on Display Screen	Supported
Power ON/OFF switches	Key Switch or Mobile Application
Emergency Stop switch	Supported

##### Communication

Charging Kiosk to Vehicle communication	Not supported
Charging Kiosk to Charging Management System communication	OCPP 1.6
User authentication	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge, Mobile Application
WiFi connectivity	Supported
Bluetooth connectivity	Supported
GSM Modem (2G/3G/4G)	Optional
10/100 Base-tx Ethernet (Standard)	Supported

##### Metering

Onboard meter ( accuracy 0.1 Wh)



# ARKIN Plus

## 11 KW AC EV Charging Station

(1x7 KW/11 KW 32 Amps IEC 62196-2 Type 2 socket, 3x3.3 KW IEC 60309 / 3 pin sockets)

### Specifications

Power	
Input Rating	415 V AC, 50 Hz Three Phase
Input Wire	L1, L2, L3, N and PE, hardwired with terminal block
Output Wire	3x IEC 60309 sockets L1 N E, L2 N E, L3 N E or Type 2
Output Rating	3x IEC 60309 sockets (output 3.3 KW each) or 7KW/11 KW Type 2 (software configurable)
Charging Interface	3 x IEC 60309 sockets or IEC 62196-2 Type 2 socket, Type 2 - Type 2.5m cable.
Standby Power	<1W
Protection	
Electrical protections	Over current, Short circuit, Over voltage, Under voltage, Ground fault, Surge protection, Over temperature
Cold load pick-up	Randomized delay before charge resume after power failure
Ground Fault	Power leakage to ground, fault current 15 – 20 mA
Upstream Breaker	2-pole 20 A breaker on dedicated circuit, non-GFCI type
Plug-out protection	Output terminated upon detection of Type 2 charging connector plug-out
Smart output Detection	If output unused for 4 mins the output will be automatically switched OFF
Environment	
Operating Temperature	0° C to + 55° C
Humidity	5 to 95 % relative humidity, non-condensing
Mechanical Design	
Enclosure Material	Mild steel
Dimensions (mm)	325w x 400h x 132d
IP rating	IP 55
Cooling	Natural Air cooled
Mounting Type	Wallmount/ Mounting Stand
Net Weight	7.5 Kg

### Specifications

User Interface & Control	
Display Screen	7" LCD Touch Screen
Digital Advertising on Display Screen	Supported
Power ON/OFF switches	Key Switch or Mobile Application
Emergency Stop switch	Supported
Communication	
Charging Kiosk to Vehicle communication	As per IEC 62196 Type 2 Standard
Charging Kiosk to Charging Management	Ocpp 1.6
System communication	
User authentication	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge, Mobile Application
WiFi connectivity	Supported
Bluetooth connectivity	Supported
GSM Modem (2G/3G/4G)	Optional
10/100 Base-tx Ethernet (Standard)	Supported
Metering	
	Onboard meter ( accuracy 0.1 Wh)



## Applications



Residential



Commercial



Office



Institution



Government



CAYG charge points

## Get in Touch

Feel free to contact us on

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