

# AC HYBRID 14kW & 18 kW

## Input Voltage (VAC)

3-Ph 400V (+/- 10%)

## Output Voltage (V)

1-Ph 230V (+/- 10%)

## Max. Output Power Rating (kW)

14kW, 18kW AC

## Display

4.3" TFT Color Touch Screen

## User Authentication

RFID / Mobile App based

## Charger and Vehicle Communication

PWM as per IEC 61851-1 for AC Type-2

## Charger Interface

LAN / 4G / WiFi

## Place of Installation

Indoor / Outdoor

## Ingress Protection

IP54



# Applications



HIGHWAY



PARKING



SERVICE  
STATION



COMMERCIAL



FLEET



RESIDENTIAL



HOTEL

# AC HYBRID

<b>Input Voltage (VAC)</b>	3-Ph 400V (+/-10%) As per IS 12360 <b>14 kW</b>	3-Ph 400V (+/-10%) As per IS 12360 <b>18 kW</b>
<b>Efficiency (%)</b>	>99.9%	>99.9%
<b>Input Frequency (Hz)</b>	50 Hz (+/-1.5 Hz)	50 Hz (+/-1.5 Hz)
<b>Wires</b>	5 Wire L1,L2,L3,N, PE	5 Wire L1,L2,L3,N, PE
<b>Standby Power</b>	15W	15W
<b>Number of Outputs</b>	3	3
<b>Output Connector type</b>	16A Domestic   IEC 60309   Type-2 IEC62196	16A Domestic   IEC 60309   Type-2 IEC62196
<b>Output Voltage (V)</b>	230V   230V   230V	230V   230V   400V
<b>Max. Output Current (AC)</b>	15A   15A   32A	15A   15A   32A
<b>Max. Output Power Rating (kW)</b>	3.3kW   3.3kW   7.4kW	3.3kW   3.3kW   11kW
<b>Display</b>	4.3" TFT Color Touch Screen	4.3" TFT Color Touch Screen
<b>Electrica metering</b>	To comply with IEC 62052-11 S IEC 62053-21	To comply with IEC 62052-11 S IEC 62053-21
<b>Emergency Push Button</b>	Provided	Provided
<b>User Authentication</b>	RFID / Mobile App Authorization	RFID / Mobile App Authorization
<b>Visual Status Indication</b>	LCD and LED for Mains available, Charging status, System error	LCD and LED for Mains available, Charging status, System error
<b>Charging Mode</b>	IS17017-1 / IEC 61851-1 for AC Type-2	IS17017-1 / IEC 61851-1 for AC Type-2
<b>Charger and Vehicle Communication</b>	-   -   PWM	-   -   PWM
<b>Charger and CMS communication</b>	Open Charge Point Protocol 1.6J	Open Charge Point Protocol 1.6J
<b>Compliance</b>	AIS138, IS17017-1, IEC61851-1	AIS138, IS17017-1, IEC61851-1
<b>Charger Interface</b>	LAN / 4G / WiFi	LAN / 4G / WiFi
<b>Remote Firmware Update</b>	FOTA	FOTA
<b>Protections</b>	Input Over Voltage, Input Under Voltage, Input Short Circuit, Input over Current, Connection Abnormality, Emergency Stop, Surge Protection upto 4KV, Residual Leakage Current, Ground Fault, Earth Presence Monitoring, Output over Current, Insulation Resistance Monitoring, Reverse Battery Connection	
<b>Ambient Temperature</b>	-20° to +55° C (derating from +55°C to +65°C)	-20° to +55° C (derating from +55°C to +65°C)
<b>Relative Humidity</b>	<95%, non-condensing	<95%, non-condensing
<b>Altitude</b>	<2000 meter	<2000 meter
<b>Place of Installation</b>	Indoor / Outdoor	Indoor / Outdoor
<b>Ingress Protection</b>	IP54	IP54
<b>Enclosure Protection</b>	IK10	IK10
<b>Cooling</b>	Natural Air Convection	Natural Air Convection
<b>Charging wire length</b>	NA   NA   5mtr.	NA   NA   5mtr.
<b>Payment systems</b>	Billing & transaction with various modes of payment	
<b>Battery back-Up</b>	15 minutes (Optional)	15 minutes (Optional)
<b>Optional Accessories</b>	-	-
<b>Installation Type</b>	Floor mounting	Floor mounting
<b>Application</b>	2W, 3W, 4W	2W, 3W, 4W
<b>Memory Storage</b>	To store 50 event logs. To store last 50 charging session information	
<b>Max. dimension (W X D X H) mm</b>	330 X 230 X 1400	330 X 230 X 1400
<b>Max. Weight (KGs)</b>	28KG	28KG

## LUBI EV SOLUTIONS

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Product improvement is a continuous process at 'LUBI'. The data given in this publication is therefore subject to revision.