





# EV DC FAST CHARGER

**MODEL: GP-EDF-60K** 



# **ELECTRIC IS FUTURE**

#### DC EV CHARGER:

Apple Energy offers superior tried-and-tested best in class DC Fast Chargers for the fast-growing EV Market. These chargers come with top of the line efficiency standards enabling low power costs for customers. A wide voltage band of 100V to 500V DC in CHAdeMO, 100V to 750V DC in Combined Charging System (CCS) and 20V to 100V DC in BHARAT DC 001, it means all variants of electrical automobiles can be charged. Our dedicated service and support team is on call to address any field issues. Our superior Central Management Software (CMS) allows customers to monitor, operate, and track charger utilization and payments with a click of a button.

### **FEATURES:**

- Output power capacity up-to 60 kW with CCS-2 Type Connector (Each 30 KW)
- Charge Two vehicles at a time
- High brightness HMI touchscreen interface of 4.3" TFT color touch screen.
- Front panel visual indication for Mains available, System error, Charging status
- All-weather enclosure and (Ip54)
- Built-in communication modules for (3G/Wifi/LAN)
- Compliance with OCPP 1.6J protocol

# **MODEL: GP-EDF-60K**







## Applications:









HIGHWAY

Y PARKING

SERVICE STATION

COMMERCIAL







RESIDENTIAL



HOTEL

### **Technical Specifications:**

Input Voltage (AC)   3 Phase 400V (+/- 10%)		00 505 00
Power Factor   2 0.99	MODEL NO / INPUT	GP-EDF-60k
Efficiency	Input Voltage (AC)	3 Phase 400V (+/- 10%)
Efficiency		
Injust Frequency		
Wires   5 Wire L1,L2,L3, N, PE		≥ 95%
OUTPUT         Number Of Outputs         1 No           DC Output (Gun-1)         1 No           DC Output Connector         IEC 62196-3 (CCS-2)           DC Output Voltage         200-750 V           DC Output Current         160 A           DC Output Power Rating         60 kW           Output Mode         Mode-4           USER INTERFACE AND CONTROL         Display           Display         7" TFT Color touch screen           RFID         Available           ENVIRONMENT         Available           Ambient T emperature         -20°C to 60°C (Derating over 50°C)           Storage Temperature         -40°C to 70°C           Altitude         ≤ 1000 m (Derating over 1000 m)           Humidity         < 95%, Non-condensing		50/60 Hz
Number Of Outputs   1 No		5 Wire L1,L2,L3, N, PE
DC Output (Gun-1)   DC Output Connector   IEC 62196-3 (CCS-2)   DC Output V oldage   200-750 V   DC Output V oldage   200-750 V   DC Output Current   160 A   DC Output Current   160 A   Go kW   G	OUTPUT	
DC Output Connector	Number Of Outputs	1 No
DC Output V oltage   200-750 V		
DC Output Current	DC Output Connector	IEC 62196-3 (CCS- 2)
DC Output Power Rating	DC Output V oltage	200-750 V
Output Mode  USER INTERFACE AND CONTROL Display  RFID  Available  ENVIRONMENT  Ambient T emperature  Abrict to 70°C  Altitude  Attitude	DC Output Current	160 A
USER INTERFACE AND CONTROL  Display 7" TFT Color touch screen  RFID Available  ENVIRONMENT  Ambient T emperature -20°C to 60°C (Derating over 50°C)  Storage Temperature -40°C to 70°C  Altitude ≤ 1000 m (Derating over 1000 m)  Humidity <95%, Non-condensing  Sound noise <55 dB in all directions  COMMUNICA TION  Charging Mode Multi standard DC output (Mode-4), AC (Mode-3)  Charger and V ehicle PLC for CCS  Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor  Ingress Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm	DC Output Power Rating	60 kW
Display	Output Mode	Mode-4
RFID  Available  ENVIRONMENT  Ambient T emperature  Ambient T emperature  Storage Temperature  Altitude  Alo'C to 70°C  Altitude  Altitu	USER INTERFACE AND CONTROL	
ENVIRONMENT  Ambient T emperature  -20°C to 60°C (Derating over 50°C)  Storage Temperature  -40°C to 70°C  Altitude  \$\frac{40^{\circ}}{2000}\text{ m} \text{ of 00^{\circ}}{000}\text{ m}}  Humidity  \$495\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Display	7" TFT Color touch screen
Ambient T emperature Storage Temperature And C to 70°C Altitude S 1000 m (Derating over 1000 m) Humidity Sound noise COMMUNICA TION Charging Mode Charger and V ehicle Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G PROTECTION Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection Ingress Protection Ingress Protection Ingress Protection Enclosure Protection Enclosure Protection Charging Wire Length Dimension (WxDxH)  800 mm x 1050 mm x 1750 mm	RFID	Available
Storage Temperature  Altitude  Alti	ENVIRONMENT	
Storage Temperature  Altitude  Altitude  S 1000 m (Derating over 1000 m)  Humidity  Sound noise  COMMUNICA TION  Charging Mode  Charger and V ehicle  Charger And CMS  PROTECTION  Protection  Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol  MECHANICAL  Place of Installation  Ingess Protection  Enclosure Protection  Cooling  Charging Wire Length  Dimension (WxDxH)  Sound m (Derating over 1000 m)  (Mode-3)  Multi standard DC output (Mode-4), AC (Mode-3)  (Mode-3)  (Mode-4), AC (Mode-4), AC (Mode-4), AC (Mode-3)  (Mode-4), AC	Ambient T emperature	-20°C to 60°C (Derating over 50°C)
Altitude \$\leq\$ 1000 m (Derating over 1000 m) Humidity \$\leq\$ 95%, Non-condensing Sound noise \$\leq\$ 55 dB in all directions  COMMUNICA TION  Charging Mode \$\leq\$ Multi standard DC output (Mode-4), AC (Mode-3)  Charger and V ehicle \$\leq\$ PLC for CCS  Charger And CMS \$\leq\$ Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection \$\leq\$ Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol \$\leq\$ OCPP 1.6J  MECHANICAL  Place of Installation \$\leq\$ Indoor/Outdoor Ingress Protection \$\leq\$ IP 54, IK 10  Enclosure Protection \$\leq\$ Natural Convection  Cooling \$\leq\$ Natural Convection  Charging Wire Length \$\leq\$ 5m  Dimension (WxDxH)  800 mm x 1050 mm x 1750 mm	Storage Temperature	
Humidity <pre></pre>		≤ 1000 m (Derating over 1000 m)
Sound noise < 55 dB in all directions  COMMUNICA TION  Charging Mode	Humidity	
Charging Mode Multi standard DC output (Mode-4), AC (Mode-3)  Charger and V ehicle PLC for CCS  Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor  Ingress Protection IP 54, IK 10  Enclosure Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm	Sound noise	, g
Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor Ingress Protection IP 54, IK 10  Enclosure Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm	COMMUNICA TION	
Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor Ingress Protection IP 54, IK 10  Enclosure Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm	Charging Mode	Multi standard DC output (Mode-4), AC (Mode-3)
Charger And CMS Protocol : OCPP1.6 (Open Charge Point Protocol) Interface : Wifi/LAN/ 3G/4G  PROTECTION  Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor Ingress Protection IP 54, IK 10  Enclosure Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm		
Protection Input Over Voltage, Input Under Voltage, Connection Abnormality, Emergency Stop, Lightning Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol OCPP 1.6J  MECHANICAL  Place of Installation Indoor/Outdoor  Ingress Protection IP 54, IK 10  Enclosure Protection Hot dipped galvanized steel sheet  Cooling Natural Convection  Charging Wire Length 5m  Dimension (WxDxH) 800 mm x 1750 mm		Protocol: OCPP1.6 (Open Charge Point Protocol) Interface: Wifi/LAN/ 3G/4G
Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection  Charging Protocol  MECHANICAL  Place of Installation Ingress Protection Ingress Protection Ingress Protection Enclosure Protection Cooling Charging Wire Length Dimension (WxDxH)  Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection Indred Indred Indoor/Outdoor Indoor/Outdoor Ingress Protection IP 54, IK 10 Hot dipped galvanized steel sheet Sm Natural Convection Sm Dimension (WxDxH)  800 mm x 1050 mm x 1750 mm	PROTECTION	
Charging Protocol         OCPP 1.6J           MECHANICAL         Indoor/Outdoor           Place of Installation         Indoor/Outdoor           Ingress Protection         IP 54, IK 10           Enclosure Protection         Hot dipped galvanized steel sheet           Cooling         Natural Convection           Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm	Protection	
Charging Protocol         OCPP 1.6J           MECHANICAL         Indoor/Outdoor           Place of Installation         Indoor/Outdoor           Ingress Protection         IP 54, IK 10           Enclosure Protection         Hot dipped galvanized steel sheet           Cooling         Natural Convection           Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm		Protection, Leakage, Short Circuit, Over Current, Over Temperature, Reverse Battery Connection
MECHANICAL           Place of Installation         Indoor/Outdoor           Ingress Protection         IP 54, IK 10           Enclosure Protection         Hot dipped galvanized steel sheet           Cooling         Natural Convection           Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm	Charging Protocol	
Ingress Protection         IP 54, IK 10           Enclosure Protection         Hot dipped galvanized steel sheet           Cooling         Natural Convection           Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm	MECHANICAL	
Enclosure Protection  Cooling  Charging Wire Length  Dimension (WxDxH)  Hot dipped galvanized steel sheet  Natural Convection  5m  800 mm x 1050 mm x 1750 mm	Place of Installation	Indoor/Outdoor
Enclosure Protection  Cooling  Charging Wire Length  Dimension (WxDxH)  Hot dipped galvanized steel sheet  Natural Convection  5m  800 mm x 1050 mm x 1750 mm	Ingress Protection	IP 54, IK 10
Cooling         Natural Convection           Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm	U	
Charging Wire Length         5m           Dimension (WxDxH)         800 mm x 1050 mm x 1750 mm	Cooling	
Dimension (WxDxH) 800 mm x 1050 mm x 1750 mm		
	Weight	200 kg

### **APPLE ENERGY PVT. LTD.**

416, Hilton Centre, Sector-11,

CBD Belapur, Navi Mumbai - 400 614, India

Customer Care No.: +91-8181819257 or +91-8080806938

 $\hbox{E-mail ID}: {\tt ev.program@appleenergy.in}$ 

Website : www.appleenergy.in

