ADVISION V2G DC CHARGER, SINGLE 20KW — 120KW

FLOOR MOUNTED

PRODUCT DATASHEET / MAY 2026

Reliable

Product Reliability **99%**

Cloud Enabled

Monitoring & Assistance **24/7**

Built To Last

Service Life **10Yr**

KEY FEATURES

- Single tethered connector
- Remote software updates and diagnostics
- Seamless integration with OCPP 1.6J / 2.0 / 2.0.1 protocol
- Multiple payment options — app, RFID, credit card, and smartphone
- Three-phase connection
- Rapid charging
- Connector option: CCS2
- 10" LCD Touch Screen and 32" LCD Colour Screen
- 3-year warranty with an optional 2-year extension

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ADVISION V2G DC CHARGER, SINGLE	⚡ 20kW	⚡ 30kW	⚡ 40kW	⚡ 60kW
PRODUCT CODE	TP-EVPD-020KS-V2G	TP-EVPD-030KS-V2G	TP-EVPD-040KS-V2G	TP-EVPD-060KS-V2G
ELECTRICAL INPUT				
Supply System	3P+N+PE, TN/TT			
Supply Voltage	400 V AC (±15%)			
Supply Frequency	50/60 ±1 Hz			
Rated Input Current	36 A	50 A	65 A	100 A
Power Factor	≥0.98 at 50 - 100% output power			
THD	<5% at 50 – 100% full load			
Charging Efficiency	≥96% at nominal output power			
ELECTRICAL OUTPUT				
Output Voltage Range	300–1000 V DC			
Maximum Current	73.3 A	100 A	146.6 A	200 A
Maximum Power	22 kW	30 kW	44 kW	66 kW
Connector Type	CCS2			
Number of Connectors / Outputs	1			
Cable Length	5 m, others optional			
BIDIRECTIONAL OPERATION				
Discharge Input Voltage Range	300–1000 V DC			
AC Output Voltage	400 V AC (±15%)			
AC Output Current	45 A	67.5 A	90 A	135 A
Rated Discharge Efficiency	≥94% at nominal output power			
CONNECTIVITY AND COMMUNICATION				
Network Connectivity	Ethernet (RJ45) / Wi-Fi / 4G			
Backend Protocol	OCPP 1.6J / 2.0 / 2.0.1			
USER INTERFACE AND ACCESS CONTROL				
Display / HMI	7" LCD Touch Screen and 32" LCD Colour Screen			
LED Status Indication	LED status indication			
RFID	RFID: ISO/IEC 14443 A/B; MIFARE, 13.56 MHz			
Authentication And Payment	App, QR code, MAC authentication, Card payment (optional)			
Metering	DC energy meter, CE-marked			
ENVIRONMENTAL CONDITIONS				
Operating Temperature	-25°C to 55°C			
Storage Temperature	-30°C to 70°C			
Altitude	≤2000 m			
Humidity	5% to 95% non-condensing			
Ingress And Impact Protection	IP54, IK10 (screen excluded)			
Noise	<70 dB			

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ADVISION V2G DC CHARGER, SINGLE	20kW	30kW	40kW	60kW
PRODUCT CODE	TP-EVPD-020KS-V2G	TP-EVPD-030KS-V2G	TP-EVPD-040KS-V2G	TP-EVPD-060KS-V2G

SAFETY AND PROTECTION

Integrated Protections	MCCB 3P+N, 40 A	MCCB 3P+N, 63 A	MCCB 3P+N, 80 A	MCCB 3P+N, 125 A
	Emergency stop button / RDC-DD, 6 mA DC leakage detection / Surge protection device (SPD), Type 2, fused / Anti-islanding protection / Overvoltage and undervoltage protection / Overcurrent protection / Overfrequency protection / Output short-circuit protection / Insulation monitoring / Temperature monitoring			
Physical Security And Access	Key-lock access door			
Special Environmental Protection	Galvanised steel, powder-coated, salt-spray resistant			

MECHANICAL DATA

Dimensions	1015 x 638 x 2060 mm			
Weight	281 kg	295 kg	295 kg	309 kg
Mounting	Floor mounted			
Cable Management	Lockable retractable cable support			
Cooling System	Forced-air cooling			

COMPLIANCE AND STANDARDS

Charging Protocol Support	ISO 15118; DIN 70121
Discharging Protocol Support	ISO 15118-20
Regulatory Compliance	IEC 61851-1; IEC 61851-23; IEC 61851-21-2; EN 50549-1:2019/AC:2019; EN 50549-10:2022
Certification	CE Marked (LVD, EMC, RoHS)

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ADVISION V2G DC CHARGER, SINGLE	⚡ 80kW	⚡ 90kW	⚡ 120kW
PRODUCT CODE	TP-EVPD-080KS-V2G	TP-EVPD-090KS-V2G	TP-EVPD-120KS-V2G

ELECTRICAL INPUT			
Supply System	3P+N+PE, TN/TT		
Supply Voltage	400 V AC (±15%)		
Supply Frequency	50/60 ±1 Hz		
Rated Input Current	135 A	150 A	200 A
Power Factor	≥0.98 at 50 - 100% output power		
THD	<5% at 50 – 100% full load		
Charging Efficiency	≥96% at nominal output power		

ELECTRICAL OUTPUT			
Output Voltage Range	300–1000 V DC		
Maximum Current	200 A	200 A	350 A
Maximum Power	80kW	90 kW	120 kW
Connector Type	CCS2		
Number of Connectors / Outputs	1		
Cable Length	5 m, others optional		

BIDIRECTIONAL OPERATION			
Discharge Input Voltage Range	300–1000 V DC		
AC Output Voltage	400 V AC (±15%)		
AC Output Current	180 A	183 A	244 A
Rated Discharge Efficiency	≥94% at nominal output power		

CONNECTIVITY AND COMMUNICATION	
Network Connectivity	Ethernet (RJ45) / Wi-Fi / 4G
Backend Protocol	OCPP 1.6J / 2.0 / 2.0.1

USER INTERFACE AND ACCESS CONTROL	
Display / HMI	7" LCD Touch Screen and 32" LCD Colour Screen
LED Status Indication	LED status indication
RFID	RFID: ISO/IEC 14443 A/B; MIFARE, 13.56 MHz
Authentication And Payment	App, QR code, MAC authentication, Card payment (optional)
Metering	DC energy meter, CE-marked

ENVIRONMENTAL CONDITIONS	
Operating Temperature	-25°C to 55°C
Storage Temperature	-30°C to 70°C
Altitude	≤2000 m
Humidity	5% to 95% non-condensing
Ingress And Impact Protection	IP54, IK10 (screen excluded)
Noise	<70 dB

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ADVISION V2G DC CHARGER, SINGLE	80kW	90kW	120kW
PRODUCT CODE	TP-EVPD-080KS-V2G	TP-EVPD-090KS-V2G	TP-EVPD-120KS-V2G

SAFETY AND PROTECTION

Integrated Protections	MCCB 3P+N, 160 A	MCCB 3P+N, 200 A	MCCB 3P+N, 250 A
	Emergency stop button / RDC-DD, 6 mA DC leakage detection / Surge protection device (SPD), Type 2, fused / Anti-islanding protection / Overvoltage and undervoltage protection / Overcurrent protection / Overfrequency protection / Output short-circuit protection / Insulation monitoring / Temperature monitoring		
Physical Security And Access	Key-lock access door		
Special Environmental Protection	Galvanised steel, powder-coated, salt-spray resistant		

MECHANICAL DATA

Dimensions	1015 x 638 x 2060 mm		
Weight	380 kg	380 kg	400 kg
Mounting	Floor mounted		
Cable Management	Lockable retractable cable support		
Cooling System	Forced-air cooling		

COMPLIANCE AND STANDARDS

Charging Protocol Support	ISO 15118; DIN 70121
Discharging Protocol Support	ISO 15118-20
Regulatory Compliance	IEC 61851-1; IEC 61851-23; IEC 61851-21-2; EN 50549-1:2019/AC:2019; EN 50549-10:2022
Certification	CE Marked (LVD, EMC, RoHS)

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