7.4kW Bi-Di DC Wall-box

Main Features

- Multi-application: bidirectional power flow for charging and discharging (V2H/V2G)
- Easy to install: light and compact for one-personnel installation
- Easy to use: backend & smart APP control;
- Wide range of output: up to 920Vdc, applicable to EVs at both 400V and 800V platform
- Enhanced reliability and product lifetime with IP65 high protection class design
- Low noise design: silent mode & automatic fan speed control
- Various comm. methods: Wi-Fi, 4G, Blue-tooth, Ethernet, RS485, etc.
- Remote maintenance: remote diagnosis and OTA

Specifications

Production	
Model number	AD20074EU1923
Country of manufacture/assembly	China
Protective Class	Class Ⅰ
Electrical – Charging	
Input connection	230Vac/220Vac, single phase, L+N+PE
Input AC current	32A rated
Input frequency	50/60Hz rated, 45~65Hz
Input THD	≤5%
Output power	7.4kW
Efficiency	≥95.5% (Peak)
Output voltage range	200 ~ 920Vdc
Output DC Current	24.7A max.
Max DC voltage	920Vdc
Electrical – Discharging	
Input voltage	200 ~ 920Vdc
Input DC current	26A max.
Output power	7.4kVA max.
Output voltage	230Vac/220Vac
Communication	
Wireless comm. methods	4G, Wi-Fi, Blue-tooth
Local comm. methods	Ethernet, RS485
Backend comm. protocol	OCPP 2.0.1、OCPP 2.1 (draft)
EV comm. protocol	DIN 70121, ISO 15118-2, ISO 15118-20, IEC 61851-24
Mechanical	
Dimension	323×480×175mm
Weight	23kg
Cooling method	Separate air duct, forced air cooling
Noise	≤55dB (@25℃ ambient temp.); ≤45dB in silent mode
Ingress protection	IP65
Environmental	
Operating Temperature	-30 to 50℃
Humidity	5% to 95% no condensation
Altitude	≤3000m above sea level
Protective	
Overvoltage category for all ports	OVC III (AC mains), OVC II (DC mains)
Method of Active Anti-Islanding	Active Frequency Drift

Note: Pictures are for reference only, please prevail in kind. * Value will be updated after testing. Contents may be changed when official release.