

EVERTA

Intelligent charging for electric vehicles

Product

EVERTA 320

Main Features

- Wide 150–1000V DC output voltage range
- Optional cable management system and ADA-compliant design
- Compatible with any backend via OCPP 1.6J protocol
- Optional integrated payment terminal for flexible user access



Specifications

Product	
Input Rating	415V a.c. $\pm 20\%$, 3 phases, 50/60Hz, L1+L2+L3+N+PE (No neutral line for IT system)
Input Current Rating	320kW: 490A a.c., 280kW: 430A a.c., 240kW: 370A a.c.
Power Factor	≥ 0.98 @ Full Load
Standby Power	< 50 Watts
Power Convertor Efficiency	$\geq 97\%$ @ Full Load (Peak)
Grid Type	TN-S, TN-C, TN-C-S, TT, IT
Output Interface	CCS2+CCS2
Output Voltage	150-1000V d.c.
Output Current	300A d.c. continuous
Maximum Available Current Output Rating	500A d.c. (boost mode)
Dynamic Loading	Supports full dynamic loading @ steps of 80 kW

User Interface

Display	10.4-inch touch screen
Support Language	English (Other languages available upon request)
Button and Switch	Emergency button
User Authentication	RFID card (ongoing), App (optional), Credit card (optional)
RFID Reader	ISO/IEC 14443 A/B, ISO/IEC 18092, IEC/ISO 15693

Communication

Network Interface	4G, Wi-Fi, Ethernet
Protocol (EVSE&Backend)	OCPP1.6J
Protocol (EVSE&EV)	DIN 70121, ISO 15118

Environmental

Operating Temperature	-30°C~ +75°C (derating after 55°C @ 1000 W per degree rise in temperature)
Storage Temperature	-40°C~ +70°C
Humidity	5% ~ 95% no condensation
Altitude	≤2000m above sea level

Mechanical

IP Rating	IP55
IK Rating	IK10
Cooling	Forced Air
Charging Cable Length	5m/7m
Dimensions (HxWxD)	5m cable @ approx. 3m operating range (cable will not touch ground) 7m cable @ approx. 5m operating range (cable will not touch ground)
Weight*	450kg (without power module, with cable management system)
Installation	Ground mounting

Certification and standards

Standards and compliance	IEC 61851-1, IEC 61851-21-2, IEC 61851-23, LVD 2014/35/EU, RED 2014/53/EU
Certification	CE-RED, CB (ongoing)

* Images shown are for reference only. Final product specifications may vary.

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