


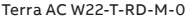


Smarter charging

IEC portfolio

AC charger for electric vehicles, type 2



Power supply network: 220 ... 240 V single phase and 380 ... 415 V three phase, 50 / 60 Hz

	Rated power (kW)	Max. current (A)	Socket outlet or connector type	Other features	Type	Order code	Weight Pkg (1pce) (kg)
Single phase							
	3.7	16	Socket with shutter, type 2	-	Terra AC W4-S-0	ABB6AGC082587	3
			Socket with shutter, type 2	RFID	Terra AC W4-S-R-0	ABB6AGC085384	3
	7.4	32	Socket, type 2	-	Terra AC W7-T-0	ABB6AGC081278	3
			Socket, type 2	RFID	Terra AC W7-T-R-0	ABB6AGC085382	3
			Socket, type 2	RFID, 4G	Terra AC W7-T-R-C-0	ABB6AGC085383	3
			Cable 5 m, type 2	RFID	Terra AC W7-G5-R-0	ABB6AGC082155	5
Cable 5 m, type 2	RFID, 4G	Terra AC W7-G5-R-C-0	ABB6AGC085385	6.5			
Single phase with display and MID certification							
	7.4	32	Socket, type 2	RFID, 4G	Terra AC W7-T-RD-MC-0	ABB6AGC082174	3
			Cable 5 m, type 2	RFID, 4G	Terra AC W7-G5-RD-MC-0	ABB6AGC085386	6.5
Three phase							
	11	16	Cable 5 m, type 2	RFID	Terra AC W11-G5-R-0	ABB6AGC082156	6
	22	32	Socket, type 2	-	Terra AC W22-T-0	ABB6AGC081279	3
			Socket, type 2	RFID	Terra AC W22-T-R-0	ABB6AGC082152	3
	Socket, type 2	RFID, 4G	Terra AC W22-T-R-C-0	ABB6AGC082153	3		
	Socket with shutter, type 2	RFID	Terra AC W22-S-R-0	ABB6AGC082589	3		
	Socket with shutter, type 2	RFID, 4G	Terra AC W22-S-R-C-0	ABB6AGC082154	3		
	Cable 5 m, type 2	RFID, 4G	Terra AC W22-G5-R-C-0	ABB6AGC082157	6.5		
	Three phase with display and MID certification						
	22	32	Socket, type 2	RFID	Terra AC W22-T-RD-M-0	ABB6AGC081280	3
			Socket, type 2	RFID, 4G	Terra AC W22-T-RD-MC-0	ABB6AGC081281	3
			Socket with shutter, type 2	RFID, 4G	Terra AC W22-S-RD-MC-0	ABB6AGC081282	3
			Cable 5 m, type 2	RFID, 4G	Terra AC W22-G5-RD-MC-0	ABB6AGC081285	6.5

UL portfolio

AC charger for electric vehicle, type 1

Power supply network: 110 ... 240 V single phase, 50 / 60 Hz

	Rated power (kW)	Max. current (A)	Socket outlet or connector type	Other features	Type	Order code	Weight Pkg (1pce) (kg)
Single phase without display							
	7.7	32	Cable 25 ft, type 1	RFID, 4G	Terra AC W7-P8-R-C-0	ABB6AGC082552	7
			Cable 25 ft, type 1	RFID, double ethernet	Terra AC W7-P8-R-D-0	ABB6AGC081287	7
			Cable 25 ft, type 1	RFID, 4G, double ethernet	Terra AC W7-P8-R-CD-0	ABB6AGC081288	7
Single phase with display							
	7.7	32	Cable 25 ft, type 1	RFID, double ethernet	Terra AC W7-P8-RD-MD-0	ABB6AGC081289	7
			Cable 25 ft, type 1	RFID, 4G, double ethernet	Terra AC W7-P8-RD-MCD-0	ABB6AGC081290	7

Terra AC wallbox accessories

Description	Current (A)	Type	Order code	Weight Pkg (1pce) (kg)
Pedestal				
For floor standing installation				
Metal pedestal for 1 charger, free-standing	-	TAC pedestal single	ABB6AGC085345	9.12
RFID card (MIFARE)				
RFID cards with ABB logo, pack of 5	-	SER-abbRFIDtags	ABB6AGC082175	0.07
RFID cards, blank, pack of 5	-	SER-blankRFIDtags	ABB6AGC082176	0.07
Charge cables				
Length: 7 m				
Cables with 2 connectors of same or different types				
Single phase				
Type 2 to type 1	16	TAC-cable T2-T1 7m1P16A	ABB6AGC082538	2.56
Type 2 to type 2	32	TAC-cable T2-T2 7m1P32A	ABB6AGC082535	2.95
Type 2 to type 1	32	TAC-cable T2-T1 7m1P32A	ABB6AGC082539	3.77
Three phase				
Type 2 to type 2	16	TAC-cable T2-T2 7m3P16A	ABB6AGC082536	2.15
Type 2 to type 2	32	TAC-cable T2-T2 7m3P32A	ABB6AGC082537	4.18
Spare parts				
Water and dust proofing set for cable entries including 1 * 32 mm and 2 * 25 mm grommets	-	SER-Grommet	ABB6AGC085387	0.04
Front cover (non-display), 2 screws included	-	SER-Front cover (non-display)	ABB6AGC085388	1.50
Maintenance cover, internal (non-display), 6 screws included	-	SER-Maintenance cover (non-display)	ABB6AGC085389	1.50
Spare cables				
Length: 5 m				
For cable replacement of existing cable version charger				
Type 2, three phase	16	SER-TAC-cable T2 5m3P16A	ABB6AGC082555	1.41
Type 2, single phase	32	SER-TAC-cable T2 5m1P32A	ABB6AGC082554	2.05
Type 2, three phase	32	SER-TAC-cable T2 5m3P32A	ABB6AGC082556	2.95
Type 1, single phase	40	SER-TAC-cable T1 5m1P40A	-	-
Type 1, single phase	80	SER-TAC-cable T1 5m1P80A	-	-
Warranty				
Total warranty time of 3 years (standard warranty 2 years + 1 year)		TAC extended warranty 3 yr	ABB6AGC084053	-
Total warranty time of 4 years (standard warranty 2 years + 2 years)		TAC extended warranty 4 yr	ABB6AGC084054	-
Total warranty time of 5 years (standard warranty 2 years + 3 years)		TAC extended warranty 5 yr	ABB6AGC084055	-

Technical specification

Product information	
Charging type	Mode 3 charging, level 2
Input/output power rating and current	IEC ratings: Single phase up to 7.4 kW / 32 A Three phase up to 22 kW / 32 A UL ratings up to 7.7 kW / 32 A
Input/output voltage	Single phase: 110 ... 240 V Three phase: 380 ... 415 V, 50 / 60 Hz
Network type	TT, TN
Socket outlet or connector type	Type 2 socket with or without shutter Type 1 or type 2 cable. Cable can be wrapped around the charger
Protection	Overcurrent, overvoltage, undervoltage, ground fault including DC residual current protection, integrated surge protection
Overvoltage category	III
Energy metering	Revenue grade energy meter Class B (+/- 1%) , MID certification on display variants only
Mobile communication with nano SIM socket	EU: GSM, 4G, LTE, WCDMA US: 4G, LTE, WCDMA
Available configurable contacts	1 input, 1 output
User Interface	
Connectivity	Wifi, Ethernet (RJ45), Bluetooth, RS485, 4G / 3G
User authentication	ABB RFID card (1 included) or App
User interface	App, ABB web portal
Communication protocols	OCPP 1.6 and RS485 for energy meter connection
Status indication	5 LED's
Configuration	
Software update	OCPP 1.6, ABB web portal or App
Control and configuration	ABB web portal or App
General characteristics	
IP and IK rating	IP54, IK10 (IK8+ for operating temperature from -35 to -30 °C)
NEMA enclosure type	NEMA 3
Operating altitude	2000 m
Operating temperature range	-35...+50 °C (derating may apply)
Storage temperature range	-40...+80 °C
Mounting	Wall or floor using a pedestal
Dimensions	H x W x D 320 x 195 x 110 mm
	H x W x D 12.60 x 7.68 x 4.33 inches
Certification and standards	
Safety standards	IEC/EN 61851-1, EN 62311, EN 62479, IEC/EN 62955 TuV listed conforming to UL 2594, UL 2231-1, UL 2231-2, UL 1998, CSA C22.2. NO.280
Codes and standards	IEC 61851-21-2, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12 CE RED- WLAN / RFID / E-UTRA: EN 300 328 V2.1.1, EN 300 330 V2.1.1, EN 301 908-1 V11.1.2, EN 301 908-13 EN 50470-1, EN 50470-3 FCC Part 15 Class B ENERGY STAR
Certification	CE, CB, MID, UL
Warranty	24 months

Smarter by design

- The App allows streamlined charger configuration
- Ready for integration with advanced smart building energy system
- Simple software updates via the App makes the charger future-ready

With the user in mind

- Enables users to authenticate their charger via the App or RFID card. Configuration is easily done via the App or ABB web portal
- Sends charging status via the App
- Provides information about the status of chargers (availability, number of sessions, energy delivery)