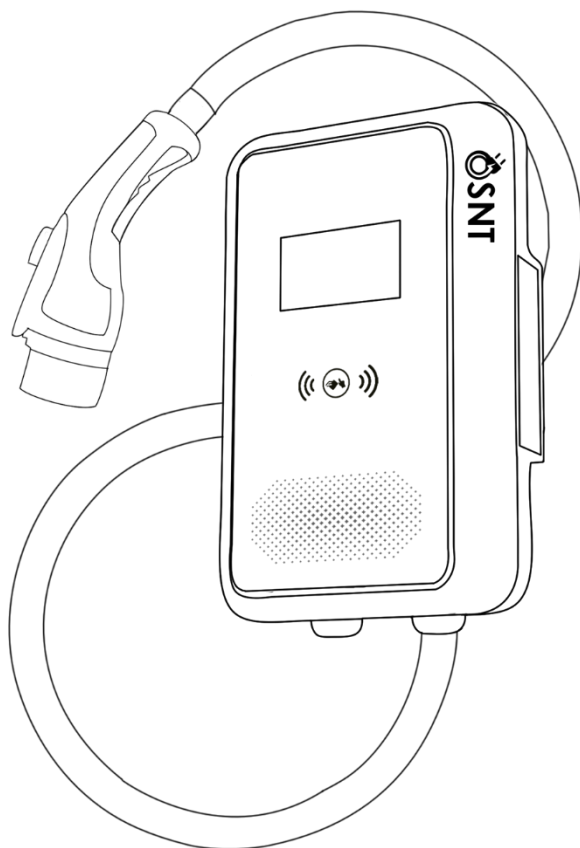




SMART NATURE
Technology Group



Technical Datasheet

Version V.0805EN



The future builds on experience!

Electromobility become one of the most important technology trends on earth. The speed of transformation from fossil raw materials to renewable energy sources become to one of the game changer in the 21 century. We from SNT have been committed to provide solutions for a cleaner and sustainable future. In 2024 over 26 million electric vehicles (EVs) worldwide were on the road, for these vehicles and future vehicle we continue research and develop on solutions to make renewable energy sources and carbon neutral mobility accessible for everyone.

Products from SNT are designed to fit different use cases and environments like single-family houses, multifamily dwellings, garages, malls or city transit projects.

The SNT wallbox and mobile charger are designed to transfer energy into electric vehicles, the SNT chargers fit different country specific requirements and are compatible to almost all electric vehicles in the worldwide market.



Applied Occasions

- Private living areas
- Residential areas
- Working places



Key Features

- Customer oriented user interfaces: web interface / mobile App / LCD screen
- Robust housing for indoor/outdoor applications (IP65, IP55 and IK10)
- UMTS LTE / 4G connectivity for mobile network communication (SNT parent units)
- Different charging modes including auto charging, instant charging and timer charging
- Integrated energy meter
- System diagnostic by mobile App and online remote update
- 7 meters charging cable
- Authentication via RFID or SNT Energy APP
- Human centered system design





WALLBOX EU (AC Type-2)



WALLBOX EU (AC Type-2)		
Model	SNTG2ACF11EU	SNTG2ACF22EU
General Parameter		
Maximum Charging Power (kW)	11kW	22kW
Cable Variant	3 phases	
Output Current	8A/10A/13A/16A	8A/10A/13A/16A/22A/32A
Rated Supply Voltage	400VAC	
Standby Power	<3W	
Cable Length	7 m	
Dimension (LxBxH)	385*284*80mm (without cable)	
Weight	4.95kg	6.30kg
System Standards	IEC 61851-1	
Charging Interface	IEC 62196 Type 2	
Language Supported	Deutsch / English / 简体中文/Français / Русский язык / ภาษาไทย / other	
Features		
Supported Vehicles	IEC 61851-1 vehicles (all brands)	
Wallbox Sharing	Y	
Timer Function	Y	
Automatic Restart	Y	
Automatic Start function	Y	
Authentification on/off over HMI	Y	
System Reset over HMI	Y	
Touch-buttons	-	
Status Indicator	Timer Charging state Adjustable power level Authentication state Temperature monitoring System health monitoring	
Health Monitor	Y	
Current Sensor	Y	

Temperature Sensor	Y
OTA Update for Device	Y
CDN Connection / Backend	Y
Electrical Specification	
Cable Supply	From bottom / from backside
Connection Cross-section	Minimum cross-section (depending on the cable and type of installation): - 5 x 2.5 mm ² (16A rated current) - 5 x 6.0 mm ² (32A rated current)
Supply Terminals	- Rigid (min.-max.): 0.2 – 16 mm ² - Flexible (min.-max.): 0.2 – 16 mm ² - AWG (min.-max.): 24 – 6 - Flexible (min.-max.) with wire-end ferrule without / with plastic sheath: 0.25 – 10 / 0.25 – 10 mm ²
Earthing System	TT / TN
Charging Cable	Type 2 cable: up to 32A / 400 VAC conform with EN 62196-1 and EN 62196-2
Main Voltage	230/400V 3P
Main Frequency	50Hz / 60Hz
Overvoltage Category	III to EN 60664
Short-time Withstand Current	< 10kA effective value to EN 61439-1
DC Fault Current Monitor	≤ 6mA DC (integral)
Mechanical Specification	
Applicable Scenarios	Indoor / Outdoor
Material	Plastics / metal
Flammability Rating	UL94V-0
Mounting Base	wall / pillar
Cable Management System	Flexible cable

Working Temperature (in °C)	-30°C to +50°C
Storage Temperature	-40°C to +85°C
Humidity	Max.95%(non-regulating)
Altitude	≤2000m
Ingress Protection Code	IP65
Impact Protection Code	IK10
Plug Lifetime	Plugging 10000 times (without load)
Communication and HMI	
Backend Connection	Wi-Fi 802.11b/g/n@2.4GHz
User Authentication	RFID /SNT Energy APP / Web interface
Back-end Protocol	OCPP1.6j
Configuration	via SNT ENERGY APP / Web interface
Connectivity	Wi-Fi and 4G/5G (over SNT Parents unit)
User Interfaces	SNT Energy APP / LED(RGB) / LCD (5") / RFID (ISO & IEC 14443A) / Web interface / Touch button
Safety and Authorization	
Over Current Protection	Y
Over Temperature Protection	Y
Blackout Protection	Y
Remote Monitoring	Y
Emergency Button	Y
Residual Current Device (RCD)	Y
Current limitation via PWM	Y
Support and Warranty	
Certification Authority	CE
Life Span (years)	Minimum 8 years minimum 30000 charge cycles minimum 55000 charge operation hours
Warranty	24 month
Data Package	60 month
Remote Update and Diagnosis	Y

Accessory Kit	
Installation Guide	Y
User Manual	Y
Mounting Bracket (for wall/ pillar installation)	Y
Plug Holder (for wall/ pillar installation)	Y
RFID Card	2
Installation Tools	Y
SNT Energy APP	free license for SNT product user

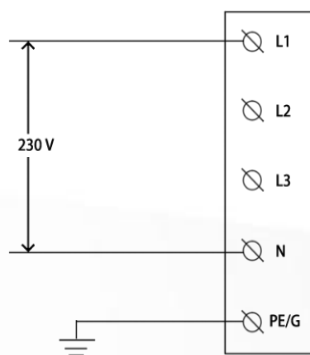


Figure 1. 230V 1-phase with PE

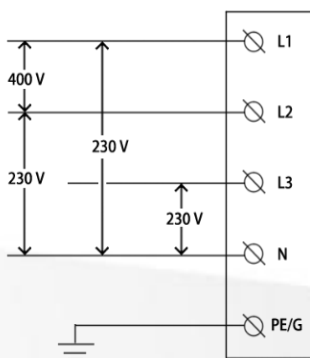


Figure 2. 400V 3-phase with PE



WALLBOX CN (AC GBT)			
Model	SNTG2ACF7CN	SNTG2ACF11CN	SNTG2ACF22CN
General Parameter			
Maximum Charging Power (kW)	7kW	11kW	22kW
Cable Variant	1 phase	3 phases	
Output Current	8A/10A/13A/16A/22A/32A	8A/10A/13A/16A	8A/10A/13A/16A/22A/32A
Rated Supply Voltage	AC220V 1Phase	AC380V 3Phase	
Standby Power	<2W		
Cable Length	5m		
Dimension (LxBxH)	385*284*80mm (without cable)		
Weight	4.05kg	4.00kg	5.15kg
System Standards	GB/T20234, GB/T18487		
Charging Interface	GB/T 27930-2015		
Language Supported	Deutsch / English / 简体中文/Français / Русский язык / ภาษาไทย / other		
Features			
Supported Vehicles	GB/T20234, GB/T18487 vehicles (all brands)		
Wallbox Sharing	Y		
Timer Function	Y		
Automatic Restart	Y		
Automatic Start Function	Y		
Authentication on/off over HMI	Y		
System Reset over HMI	Y		
Touch-buttons	-		
Status Indicator	Timer Charging state Adjustable power level Authentication state Temperature monitoring System health monitoring		
Health Monitor	Y		
Current Sensor	Y		

Temperature Sensor	Y
OTA Update for Device	Y
CDN Connection / Backend	Y
Electrical Specification	
Cable Supply	From bottom / from backside
Connection Cross-section	Minimum cross-section (depending on the cable and type of installation):
	- 5 x 2.5 mm ² (16A rated current)
	- 5 x 6.0 mm ² (32A rated current)
Supply Terminals	- Rigid (min.-max.): 0.2 – 16 mm ²
	- Flexible (min.-max.): 0.2 – 16 mm ²
	- AWG (min.-max.): 24 – 6
	- Flexible (min.-max.) with wire-end ferrule
	without / with plastic sheath:
	0.25 – 10 / 0.25 – 10 mm ²
Earthing System	TT / TN
Charging Cable	GBT cable: up to 32A / 380 VAC
Main Voltage	230V
	230/400V 3N~
Main Frequency	50Hz / 60Hz
Overvoltage Category	III to EN 60664
Short-time Withstand Current	< 10kA effective value to EN 61439-1
DC Fault Current Monitor	≤ 6mA DC (integral)
Mechanical Specification	
Applicable Scenarios	Indoor / Outdoor
Material	Plastics / metal
Flammability Rating	UL94V-0
Mounting Base	wall / pillar
Cable Management System	Flexible cable

Working Temperature (in °C)	-30°C to +50°C
Storage Temperature	-40°C to +85°C
Humidity	Max.95%(non-regulating)
Altitude	≤2000m
Ingress Protection Code	IP55
Impact Protection Code	IK10
Plug Lifetime	Plugging 10000 times (without load)
Communication and HMI	
Backend Connection	Wi-Fi 802.11b/g/n@2.4GHz
User Authentication	RFID /SNT Energy APP / Web interface
Back-end Protocol	OCPP1.6j
Configuration	via SNT ENERGY APP / Web interface
Connectivity	Wi-Fi and 4G/5G (over SNT Parents unit)
User Interfaces	SNT Energy APP / LED(RGB) / LCD (5") / RFID (ISO & IEC 14443A) / Web interface / Touch button
Safety and Authorization	
Over Current Protection	Y
Over Temperature Protection	Y
Blackout Protection	Y
Remote Monitoring	Y
Emergency Button	Y
Residual Current Device (RCD)	Y
Current limitation via PWM	Y
Support and Warranty	
Certification Authority	CE
Life span (years)	Minimum 8 years minimum 30000 charge cycles minimum 55000 charge operation hours
Warranty	24 month
Data Package	60 month
Remote Update and Diagnosis	Y

Accessory Kit	
Installation Guide	Y
User Manual	Y
Mounting Bracket (for wall/ pillar installation)	Y
Plug Holder (for wall/ pillar installation)	Y
RFID Card	2
Installation Tools	Y
SNT Energy APP	free license for SNT product user

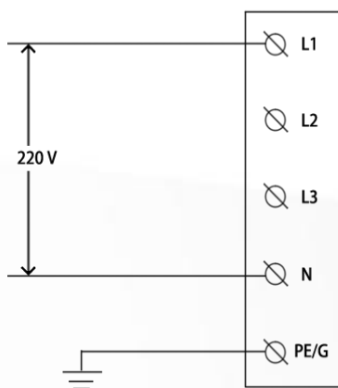


Figure 1. 220V 1-phase with PE

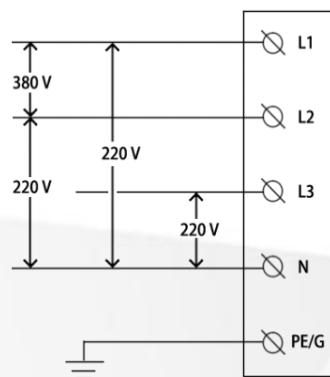


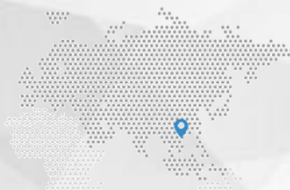
Figure 2. 380V 1-phase with PE



Contact Us



- Online and domestic sales
- SNT customer service



For general inquiries or comments, please contact the SNT Customer Service under service@smartnature.group



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