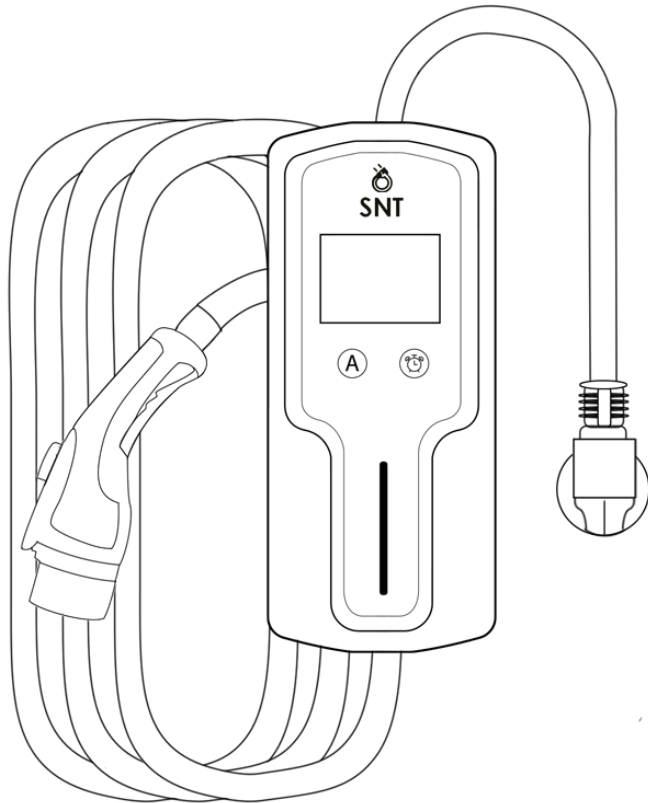




SMART NATURE
Technology Group



Technical Datasheet



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
- Portable Charger, mobile Emergency Charger
- Residential areas
- Working places



Key Features

- Customer oriented user interfaces: web interface / mobile App / LCD screen
- Robust housing for indoor/outdoor applications (IP65 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
- 6.2 meters charging cable
- Authentication over SNT Energy APP
- Human centered system design





MOBILE CHARGER EU (AC Type-2)



MOBILE CHARGER EU (AC Type-2)		
Model	SNTG2ACM3EU	SNTG2ACM11EU
General Parameter		
Maximum Charging Power (kW)	3.5kW	11kW
Cable Variant	1Phase	3Phase
Output Current	8A/10A/13A/16A	8A/10A/13A/16A
Rated Supply Voltage	100-240VAC	400VAC
Standby Power	< 1.5W	
Cable Length	5.8m	6.2m
Dimension (LxBxH)	244*108*63mm (without cable)	
Weight	2.20 kg	2.94 kg
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)	
Timer Function	Y	
Automatic Restart	Y	
Automatic Start Function	Y	
Authentication on/off over HMI	Y	
System Reset over HMI	Y	
Touch-buttons	Charging current Timer	
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 top	
Supply Terminals	5 Pins CEE / 3.5kw Plug (country specific adapter)	
Earthing System	TT / TN	
Charging Cable	Type 2 cable: up to 16A / 400 VAC conform with EN 62196-1 and EN 62196-2	
Main Voltage	230V 1 Phase	230/400V 3 Phase
Main Frequency	50Hz / 60Hz	
Overvoltage Category	III to EN 60664	
Short-time Withstand Current	< 10kA effective value to EN 61439-1	
Withstand Voltage	>2500VAC between phase wire and phase wire, phase wire and ground wire.	
Insulation Resistance	>500M Ω under normal temperature conditions, complied with IEC61851-1 under humid heat conditions	
DC Fault Current Monitor	\leq 6mA DC (integral)	
Mechanical Specification		
Applicable Scenarios	Indoor / Outdoor	
Material	PC / Scratch and UV resistant surface	
Flammability Rating	UL94V-0	
Mounting Base	pillar-/wall-mounted via device holder or as carry on device	
Cable Management System	Flexible cable	
Working Temperature (in °C)	-25°C ~ +50°C	
Storage Temperature	-40°C ~ +85°C	
Humidity	Max.95%(non-regulating)	
Altitude	\leq 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	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(2.4") / Button / Web interface
Safety and Authorization	
Over Current Protection	Y
Over Temperature Protection	Y
Blackout Protection	Y
Remote Monitoring	Y
Emergency Stop	Y (over APP)
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
Device Bag	Y
Device Holder (for wall/ pillar installation)	Y
Plug Holder (for wall/ pillar installation)	Y
Installation Tools	Y
SNT Energy APP	free license for SNT product user





MOBILE CHARGER CN (AC GBT)



Model	SNTG2ACM3CN	SNTG2ACM7CN	SNTG2ACM11CN
General Parameter			
Maximum Charging Power (kW)	3.5kW	7kW	11kW
Cable Variant	1Phase		3Phase
Output Current	8A/10A/13A/16A	8A/10A/13A/16A/22A/32A	8A/10A/13A/16A
Rated Supply Voltage	220VAC		380VAC
Standby Power	< 1.5W		
Cable Length	5.8m	5.6m	6.2m
Dimension (LxBxH)	244*108*63mm (without cable)		
Weight	2.15 kg	3.15 kg	2.90 kg
System Standards	GB/T 18487.1-2015		
Charging Interface	GB/T 27930-2015		
Language Supported	Deutsch / English / 简体中文/Français / Русский язык / ગુજરાતી / other		
Features			
Supported Vehicles	GB/T20234, GB/T18487 vehicles (all brands)		
Timer Function	Y		
Automatic Restart	Y		
Automatic Start Function	Y		
Authentication on/off over HMI	Y		
System Reset over HMI	Y		
Touch-buttons	Charging current Timer		
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 top
Supply Terminals	3Pins CEE / 5 Pins CEE / 3.5kw Plug (country specific adapter)
Earthing System	TT / TN
Charging Cable	GBT cable: up to 32A / 380 VAC
Mains Voltage	230V 230/400V 3N~
Mains Frequency	50Hz / 60Hz
Overvoltage Category	III to EN 60664
Short-time Withstand Current	< 10kA effective value to EN 61439-1
Withstand Voltage	>2500VAC between phase wire and phase wire, phase wire and ground wire.
Insulation Resistance	>500M Ω under normal temperature conditions, complied with GBG/T 11918.1-2014 under humid heat conditions.
DC Fault Current Monitor	\leq 6mA DC (integral)
Mechanical Specification	
Applicable Scenarios	Indoor / Outdoor
Material	PC / Scratch and UV resistant surface
Flammability Rating	UL94V-0
Mounting Base	pillar-/wall-mounted via device holder or as carry on device
Cable Management System	Flexible cable
Working Temperature (in $^{\circ}$ C)	-25 $^{\circ}$ C \sim +50 $^{\circ}$ C
Storage Temperature	-40 $^{\circ}$ C \sim +85 $^{\circ}$ C
Humidity	Max.95%(non-regulating)
Altitude	\leq 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	SNT Energy APP / Web interface
Back-end Protocol	OCPPI.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 (2.4") / Button / Web interface
Safety and Authorization	
Over Current Protection	Y
Over Temperature Protection	Y
Blackout Protection	Y
Remote Monitoring	Y
Emergency Stop	Y (over APP)
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
Device Bag	Y
Device Holder (for wall/ pillar installation)	Y
Plug Holder (for wall/ pillar installation)	Y
Installation Tools	Y
SNT Energy APP	free license for SNT product user



Plug Versions Infrastructure side					
Rated Power 6A - 16A					
	UK	NZ/AU	EU	BRA	ZAF
Rated Power 16 A - 32A					
	3 Pins CEE	5 Pins CEE			
Rated Power 6A - 16A					
	5-15P	5-20P	6-20P	10-30P	14-50P



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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