

Datenblatt | Data sheet



Serie | Series: Nova-1200SR

Gerätetyp | Device type: Onboard & Offboard - Ladegerät | - Battery charger

Akkutyp | Battery type: LiFePO4 Akkupacks | LiFePO4 battery packs

Bestellnummer | Order number 166-08403-470 166-10333-470 166-12273-470 166-14233-470 166-15223-470 166-16203-470

VERSION

DC Ausgang DC output	8S	10S	12S	14S	15S	16S
Ladespannung max. Charge voltage max	28.8V ±1%	36V ±1%	43.2V ±1%	50.4V ±1%	54V ±1%	57.6V ±1%
Ladestrom max. Charge current, max.*	40A ±2%	33A ±2%	27A ±2%	23A ±2%	22A ±2%	20A ±2%
Akkuspannung min. Battery voltage, min.	16V	20V	24V	28V	30V	32V
Empfohlene Akkus Recommended batteries**	40Ah - 500Ah	33Ah - 350Ah	27Ah - 330Ah	23Ah - 280Ah	22Ah - 270Ah	20Ah - 250Ah
Wirkungsgrad max. Efficiency max.	91% @ 230V					
Ausgangsleistung max. Output power, max.	1180W					
Restwelligkeit Ripple	<1%					
Rückstrom Back current	<1mA					
Anschluss Ladekabel Charge line connection	2-weg Klemmblock, M6 2-way screw terminal, M6					
Ladekabel Charging cable	1.2m ±0.1m					

AC Eingang | AC input

Eingangsspannung Input voltage	100...240VAC / 50...60Hz
Eingangsleistung max. Input power max.	1300W [11.5A @ 115VAC / 5.7A @ 230VAC]
Netzkabel & Stecker Power cable & plug	1.5m ± 0.1m IEC60320-C13 - CEE 7/7

Gehäuse | Enclosure

Werkstoff Material	Metallgehäuse, lackiert Metal housing, painted
Gewicht Weight	ca. 3.6kg
Anzeigen Indicators	4 LED's
Schutzklasse Protection class	I
IP Klasse IP code	IP20
Einsatztemperaturbereich Operating temperature range	-20°C...40°C
Kühlung Cooling	Leistungsabhängiger Lüfter Load dependent fan

Besonderheiten | Features

Ladecharakteristik Charge characteristic	4 Stufen Ladeprofil 4-step charge profile
Auto wake up	Automatisches Aktivieren des BMS durch Spannungspulse Automatic activation of the BMS through voltage pulses
Programmierung Programming	Ladeprofilanpassung via IR-Schnittstelle Charge profile customisation via IR-port
Kabel f. Wegfahrsperre Immobiliser wire***	Wegfahrsperre während des Ladevorgangs (Flachsteckhülse, 22.5x6.3, weiß) Immobilizer during the charge process (faston, 22.5x6.3, white)
Kabel f. Ladefreigabe Charge enable wire***	Ladefreigabe und -sperre durch Signal vom BMS (Flachsteckhülse, 20.2x4.8, blau) Function charge enable and charge disable by BMS-signal (faston, 20.2x4.8, blue)
Bussystem Bus system***	CAN-Bus
Geräteschutz Device protection	Übertemperatur, Kurzschluss, Überlast Overtemperature, short circuit, overload

Zertifizierungen | Certification

CE

* Ladestrom während dritter Ladephase (CC2) | Charge current during third charge phase (CC2)

** Spezifikationen der Akkushersteller sind vorrangig zu beachten! | Specifications from battery manufacturer take priority!

*** Optionale Funktion | Optional feature

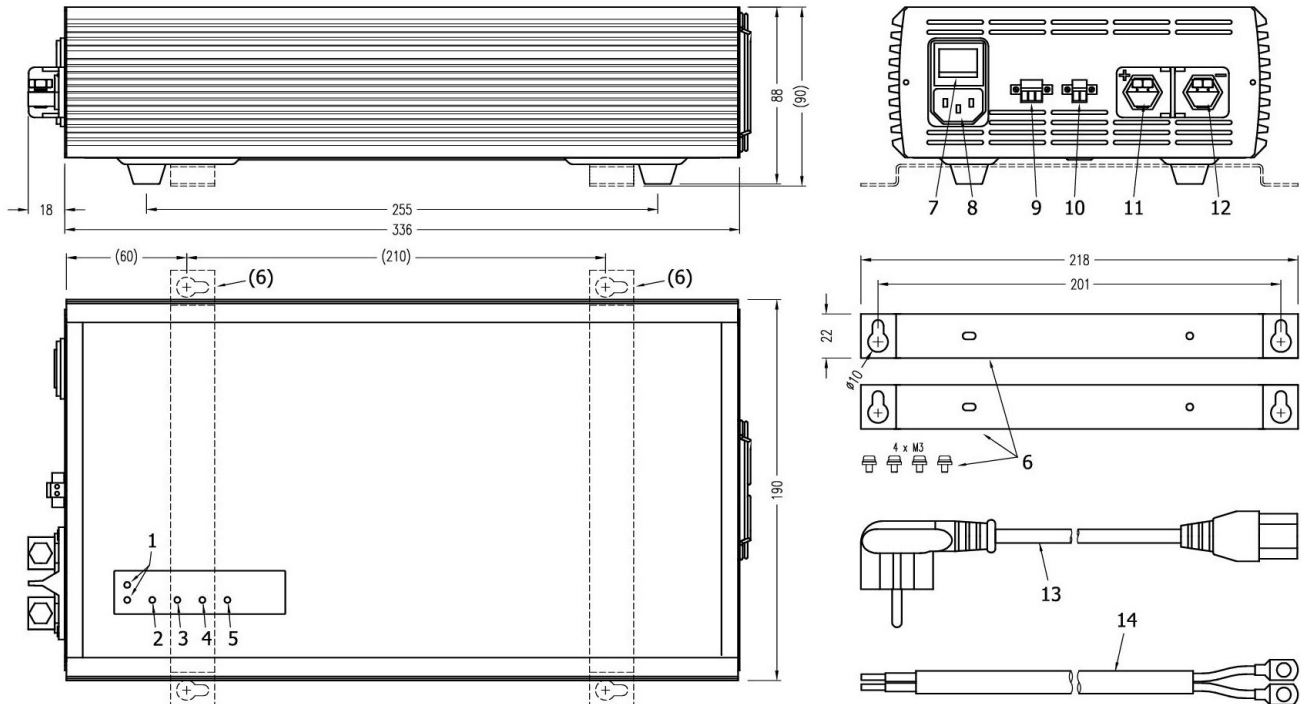
Produktzeichnung | Product drawing

- 1 IR-LEDs
- 2 Power LED (grün | green)
- 3 Lade LED (gelb) | Charging LED (yellow)
- 4 Voll LED (grün) | Full LED (green)
- 5 Fehler LED (rot) | Error LED (red)

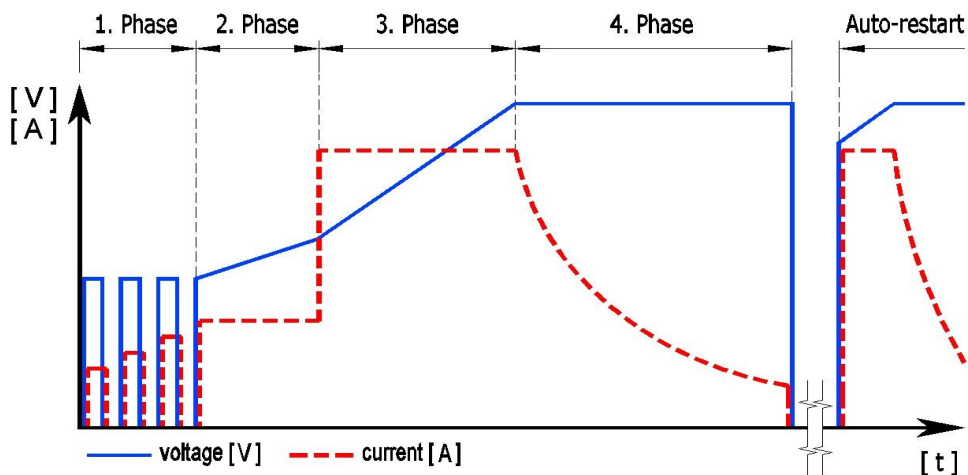
- 6 Montage set | Wall bracket set
- 7 Ein-Aus Schalter | On-off switch
- 8 Netzbuchse | Power socket
- 9 Wegfahrsperr | Immobiliser *
- 10 Ladefreigabe | Charge enable *

- 11 Batterieanschluss (+) | Battery port (+)
- 12 Batterieanschluss (-) | Battery port (-)
- 13 Netzkabel (AC) | Power cable (AC)
- 14 Ladekabel (DC) | Charging cable (DC)

*=Versionsabhängig | version-dependent



4-Stufen Ladeprofil | 4-step charge profile



	1. Phase (pulsing)	2. Phase (CC1)	3. Phase (CC2)	4. Phase (CV)	Auto restart
	Auto wake up	Soft-start	Konstantstrom Constant current	Konstantspannung Constant voltage	Auto restart
Ladespannung max. Charge voltage max	3.6V/cell	2.5V/cell	3.6V/cell	3.6V/cell	after 30 days / U _b < 3.1 V/cell
Ladestrom max. Charge current max.	50% I _{max}	50% I _{max}	I _{max}	I _{max}	
Ladestrom min. Charge current min.	25% I _{max}	25% I _{max}	50% I _{max}	10% I _{max}	
Schaltkriterium in nächste Phase Trigger criterion to next phase	U _{bat} 2.0V/cell / 10 cycles	U _{bat} ≥ 2.5V/cell / timer 4h	U _{bat} ≥ U _{max} / timer 20h	I _b < I _{min} / timer 8h	

Ladeparameter auf Anfrage änderbar | Charge parameter changeable on request