



COMPACT

Sine wave INVERTER - CHARGER



Technical data

Model	C 1600-12	C 2600-24	C 4000-48
-------	-----------	-----------	-----------

Inverter

Nominal battery voltage	12V	24V	48V
Input voltage range	9.5 - 16V	19 - 32V	38 - 64V
Continuous power @ 25°C	1300VA	2300VA	3500VA
Power 30 min. @ 25°C	1600VA	2600VA	4000VA
Maximum power load 5 sec.	3 x Pnom		
Maximum load	up to short circuit		
Maximum asymmetric load	up to Pcont.		
Stand-by adjustment	1 to 25W		
Cos φ	0.1 - 1		
Maximum efficiency	94%	95%	
Consumption OFF/Stand-by/ON	0.5/0.6/6W	0.8/0.9/9W	1.2/1.4/12W
Output voltage	230Vac (- 10% / 0)		
Output frequency crystal controlled	50Hz +/- 0.05%		
Total harmonic distortion	< 2%		
Dynamic behaviour on load change 0 to 100%	0.5 ms		
Overload and short circuit protection	Automatic disconnection with 3 time restart attempt		
Overheat protection	Acoustic warning before shut-off - with automatic restart		

Battery charger (4 STEP) I-U-Uo-Equalize (every 25 cycles)

Charging current adjustable	0 - 55A	0 - 55A	0 - 50A
Input current balance adjustment (Power Sharing)	1 - 16A		
Maximum input voltage	265Vac		
Minimum input voltage	Adjustable threshold from 150 to 230Vac		
Input frequency	45 - 65Hz		
Power Factor Correction (PFC)	EN 61000-3-2		

Optional solar charger (4 stages) I-U-Uo-Equalize (every 25 cycles)

Maximum PV open circuit voltage (V)	25V	45V	90V
Maximum charge current (A)	30A	30A	20A
Working principle: I-U-Uo-Equalize (every 25 cycles)	Shunt		

Battery control (thresholds and times adjustable by the user)

Absorption time	0-4 h		
End charge cycle voltage	14.4V	28.8V	57.6V
Floating voltage	13.6V	27.2V	54.4V
Equalization voltage	15.6V	31.2V	62.4V
Deep-discharge protection	10.8V	21.6V	43.2V
Temperature compensation (optional CT-35)	-3mV / °C / cell		

General data

Multifunction contact - potential free (3 points)	16A - 250Vac		
Max. current on transfer relay	16A/3.7kVA	16A/3.7kVA	16A/3.7kVA
Transfer time	< 20 ms		
Weight	16 kg	17.1 kg	29.4 kg
Dimension h x l x L [mm]	124x215x480		124x215x670
Protection index IP20	IP23 with top cover CxxxIP23		
Certification ECE-R 10 (E24)	yes	yes	n.a.
EC conformity	EN 61000-6-1, EN 61000-6-3, EN 55014, EN 55022, EN 61000-3-2, Dir. 89/336/EEC, LVD 73/23/EEC		
Operating temperature range	-20 to 55 °C		
Ventilation	from 45 °C		
Acoustic level without / with ventilation	< 10 dB / < 35 dB		
Warranty	2 years		

Options

Solar charge controller	C-xxxx-S
Remote control (112 x 138 x 25mm / 20 m. cable)	RCC-01
Remote power sharing (20 m. cable)	RPS-01
IP-23 top cover	C-xxxx-IP23
AC cable cover	CFC-01
Battery temperature sensor (58 x 51.5 x 22mm / 3 m. cable)	CT-35

Data may change without any notice