

XPC Series COMPACT

True Sinewave INVERTER / CHARGER



Technical data

Model	XPC1112	XPC1624	XPC1648
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Inverter

Nominal battery voltage	12 V	24 V	48 V
Input voltage range	9.5 – 16 V	19 – 32 V	38 – 64 V
Nominal power	1100 W	1600 W	1600 W
Maximum power load 30 min. P30	1400 W	2200 W	2000 W
Maximum power load 5 sec	3 x Pnom		
Maximum load	up to short circuit		
Maximum asymmetric load	up to Pnom		
Standby adjustment	1 to 25 W		
Cos φ	0.1 - 1		
Maximum efficiency	94 %	95 %	95 %
Consumption OFF/Standby/ON	0.5 / 0.6 / 4 W	0.8 / 0.9 / 7 W	1.2 / 1.3 / 7 W
Output voltage	230 Vac (- 10% / 0)		
Output frequency crystal controlled	50 Hz ± 0.05 %		
Total harmonic distortion	< 4%	< 2%	
Dynamic behaviour on load change 0 → 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 – 45 A	0 – 37 A	0 – 20 A
Maximum input voltage	265 Vac		
Minimum input voltage	Adjustable threshold from 150 to 230 Vac		
Input frequency	45 – 65 Hz		
Power Factor Correction (PFC)	EN 61000-3-2		

Optional solar charger (4 stages)

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

Battery control (thresholds and times adjustable by the user, only with RCC-01)

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

General data

Multifunction contact - potential free (3 points)	16 A – 250 Vac		
Max. current on transfer relay	15A / 3.5 kVA	15A / 3.5 kVA	15A / 3.5 kVA
Transfer time	< 20 ms		
Weight	11.7 kg	12.6 kg	12.6 kg
Dimension h x l x L [mm]	124 / 215 / 410	124 / 215 / 410	124 / 215 / 410
IP protection index	IP 20 / IP 23 with top cover		
EEC conformity	EN50081 I/II, EN 55014 – EN 55022, EN 61000-3-2 IEC 801 I/II/III/IV, CEI 555, IEC 1000-3-2, LVD 73/23/EEC		
Working range	-20 to 55°C		
Ventilation	from 45°C		
Acoustic level without / with ventilation	< 10 dB / < 35 dB		
Warranty	2 years		

Options

Solar charger	XPC-xxxx-S
Remote control (112 x 138 x 25mm / 20 m cable)	RCC-01
IP-23 top cover	C-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

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