

# HP Series COMPACT

## True Sinewave INVERTER / CHARGER



### Technical data

Model	HPC2512	HPC4024	HPC5048	HPC7048
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<b>Inverter</b>				
Nominal battery voltage	12 V	24 V	48 V	48 V
Input voltage range	9.5 – 17 V	19 – 34 V	38 – 68 V	38 – 68 V
Nominal power @ 25°C	2500 W	4000 W	5000 W	7000 W
Maximum power load 30 min. @ 25°C	2800 W	4500 W	6000 W	8000 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	93 %	94 %	96 %	96 %
Consumption OFF/Standby/ON	1.4/1.8/10 W	1.7/2/16 W	2/2.5/18 W	2/3/25 W
Output voltage	230 Vac (0 / - 10%)			
Output frequency crystal controlled	50 Hz ± 0.05 %			
Total harmonic distortion	< 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			

<b>Battery charger (4 STEP) I-U-Uo-Equalize (every 25 cycles)</b>				
Charging current adjustable	0 – 110 A	0 – 100 A	0 – 70 A	0 – 90 A
Input current balance adjustment (Power Sharing)	1 – 30 A	1 – 30 A	1 – 30 A	1 – 50 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			

<b>Optional solar charger (4 stages)</b>				
Maximum PV open circuit voltage (V)	25 V	45 V		
Maximum charge current (A)	50 A	50 A	N/A	N/A
Working principle: I-U-Uo-Equalize (every 25 cycles)	Serie	Serie		

<b>Battery control (thresholds and times adjustable by the user)</b>				
Absorption time	0-4h			
End charge cycle voltage	14.4 V	28.8 V	57.6 V	57.6 V
Floating voltage	13.6 V	27.2 V	54.4 V	54.4 V
Equalisation voltage	15.6 V	31.2 V	62.4 V	62.4 V
Deep-discharge protection	10.8 V	21.6 V	43.2 V	43.2 V
Temperature compensation (option CT-35)	-3mV / °C / cell			

<b>General data</b>				
Multifunction contact - potential free (3 points)	16 A – 250 Vac			
Max. current on transfer relay	30 A / 6.9 kVA	30 A / 6.9 kVA	30 A / 6.9 kVA	50 A / 11.5 kVA
Transfer time	< 20 ms			
Weight	33 kg	39 kg	41 kg	45 kg
Dimension h x l x L [mm]	242/288/480	242/288/480	242/288/480	242/288/500
IP protection index	IP 20			
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			

<b>Options</b>	
Solar charger (HPC2512 and (HPC4024)	HPS 12/24
Remote control (112 x138 x 25mm / 20 m cable)	RCC-01
Remote power sharing (20 m. cable)	RPS-01
Battery temp. sensor (58 x 51.5x 22mm / 3 m cable)	CT-35

Data may change without any notice

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