



HP COMPACT

Sine wave INVERTER-CHARGER



Technical data

Model	HPC 2800-12	HPC 4400-24	HPC 6000-48	HPC 8000-48
-------	-------------	-------------	-------------	-------------

Inverter

Nominal battery voltage	12V	24V	48V	
Input voltage range	9.5 - 17V	19 - 34V	38 - 68V	
Continuous power @ 25°C	2500VA	4000VA	5000VA	7000VA
Power 30 min. @ 25°C	2800VA	4400VA	6000VA	8000VA
Maximum power load 5 sec.	3 x P _{nom}			
Maximum load	up to short circuit			
Maximum asymmetric load	up to P _{cont.}			
Stand-by adjustment	1 to 25W			
Cos φ	0.1 - 1			
Maximum efficiency	93%	94%	96%	
Consumption OFF/Stand-by/ON	1.4/1.8/10W	1.7/2/16W	2/2.5/18W	2/3/30W
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 - 110A	0 - 100A	0 - 70A	0 - 90A
Input current balance adjustment (Power Sharing)	1 - 30A			1 - 50A
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			

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	30A/6.9kVA		50A/11.5kVA	
Transfer time	< 20 ms			
Weight	33 kg	39 kg	41 kg	45 kg
Dimension h x l x L [mm]	242x288x480			242x288x500
Protection index IP20	IP 23			
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

Remote control (112 x 138 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