

Features

- Pure sin output wave, AVR mode,
- Wall mounted metal case,
- Synchronize with working mains voltage and frequency
- Automatic charger and inwerter mode,
- Energy save mode,
- Many parameters to set in LCD user MENU.

Photo



UPS-HEATST-COMMANDER300W-WL
UPS-HEATST-COMMANDER600W-WL
UPS-HEATST-COMMANDER1000W-WL
UPS-HEATST-COMMANDER1600W-WL



Applications

Heating systems	Gas and solar systems	Security systems
Emergency lighting	Home electronics	Home automations

HOME INVERTER model IPS

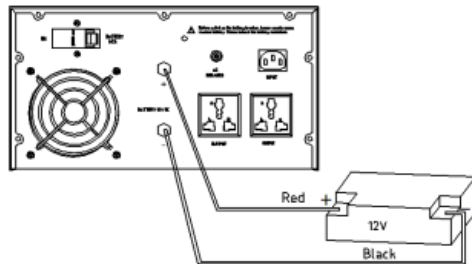
Technical Parameters

	UPS-HEATST-COMMANDER			
MODEL	300-WL	600-WL	1000-WL	1600-WL
Output power (apparent/active)	300VA/300W	600VA/600W	1000VA/1000W	1600VA/1600W
INPUT				
Input voltage	Rated: 230VAC Input voltage range: 156Vac – 294Vac			
Input frequency	50/60Hz ± 10% (autodetct)			
OUTPUT				
Output voltage	Mains mode: 182Vac – 253Vac, Battery mode: 230Vac +/- 5%,			
Frequency	50/60Hz ± 1% (auto-detect)			
Output waveform	Mains mode: pure sin, Battery mode: pure sin,			
Transfer time	Max.: 10 ms			
Output sockets	CEE 7/3 2pcs (Shucko)			
Efficiency	Mains mode: <95% Battery mode: <80%			
Power factor	1,0			
Loads	Resistance, inductive, capacitive, rectifiers			
Overload in mains mode	105% przez 300s, 110% przez 120s, 125% przez 60s, 150% przez 10s, przejście w tryb BYPASS			
Overload in battery mode	105% przez 300s, 110% przez 60s, 125% przez 10s, 150% przez 0,7s, wyłączenie przetwornicy			
BATTERY				
Battery type	Lead Acid VRLA voltage: 12V			Lead Acid VRLA voltage: 24V
Charger current	1-15A (default 10A)	1-30A (default 20A)	1 - 50A * (default 20A)	1 - 60A * (default 20A)
Charger current level	1,2,3,4,5,6,7,8,9,10,15A	1,2,3,4,5,6,7,8,9,10, 15, 20,25,30A	1,2,3,4,5,6,7,8,9,10, 15,20,25,30,35,40A	1,2,3,4,5,6,7,8,9,10, 15,20,25,30,35,40 A
Boost voltage	14,4V Vdc			28,8V Vdc
Float voltage	13,6Vdc			27,4Vdc
End of discharge voltage	10,2Vdc			20,4Vdc
Eod level	19,2-23Vdc			19,2-23Vdc
Batteries capacity:	1szt 12V 26....400Ah in 12V system			2szt 12V 18....400Ah in 24V system
Battery cabel lenght:	0,8m			0,8m
Cross-section of battery cables:	6mm ² , M10			6mm ² , M10
PROTECTIONS				
Full protections	Overcurrent, short circuit, temperaturę, overvoltage, low discharge, over charge			
ENVIRONMENT				
Humidity	20~90% RH @ 0~40°C (non-condensate)			
Noise	Regulated fan speed			
DIMMENSIONS & WEIGHT				
Weight netto/brutto (kg)	8,3 / 9,3 kg	11.3 / 12.3kg	14 / 15 kg	20 / 21 kg
Dimmensions width / depth / height (mm)	293 / 280 / 160			
Package width / depth / height (mm)	370 / 355 / 235			

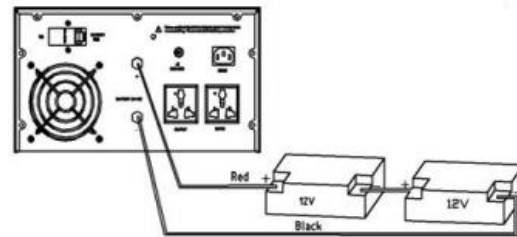
*best charger current is 0,1C₂₀ capacity.

Battery connection:

300, 600, 1000W



1600W



Standard Accesories:

- instruction manual

Additional accesories (options):

- Akumulator AGM



GLP 26-12
GLP 33-12
GLP 40-12
GLP 55-12
GLP 65-12
GLP 80-12
GLP 100-12
GLP 120-12
GLP 150-12
GLP 200-12

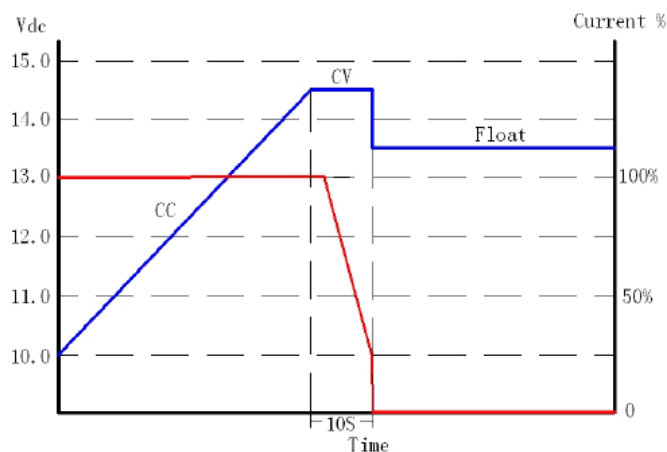
MB 26-12
MB 33-12
MB 40-12
MB 55-12
MB 65-12
MB 80-12
MB100-12
MB 120-12
MB 150-12
MB 200-12



Charger characteristic

3-stage charger : CC -> Boost CV -> Float.

- 1) Stage I – constant current, up to equalizing charge voltage
- 2) Stage II – constant voltage, time 10seconds
- 3) Stage III – floating voltage , after 10days recover



LCD MENU function description:

	Function	Description	Default value	Options
1	OUT	Rated output voltage of the inverter	230V	220V/230V/240V
2	HZ	Rated output frequency of the inverter	50Hz	50Hz/60Hz
3	B	Equalizing charge voltage	14,1V	13,6...15V
4	F	Floating charge voltage	13,5V	13,2...14,6V
5	E	End of discharge voltage	10,2V	9,6...11,5V
6	CUR	Charging current	10A	1,2,3,4,5,6,7,8,9,10,15,20,25,30A 35,40A
7	IECO	Inverter no-load ECO mode	No	No/Yes N/Y
8	INLS	Inverter no-load shutdown function	No	No/Yes N/Y
9	DCAU	DC auto restart function	No	No/Yes N/Y
10	ACAU	AC self-starting function	Yes	No/Yes N/Y
11	INP	Input power matching of the generator	120%	10%-120% rated power
12	INLS	Inverter shutdown load rate	3%	3%-50% rated power
13	T	DC auto restart time	1h	0,5h...8h
14	SAVE	Save and exit	-	No/Yes N/Y