

This all new Hollandia Power Inverter exhibits the latest solar technology. With multiple functions this inverter has a powerful built in MPPT charge controller varying from 40A to 60A. With the battery charger function you will be guaranteed to have an uninterrupted power supply for all your running appliances. With the latest LCD screen the inverter offers a wide selections of settings and features to be accessed.



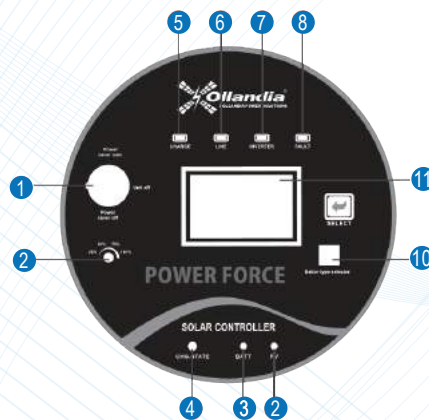
### FEATURES

- AC/Solar/Battery priority function
- Inbuilt power MPPT solar charge controller 30A~60A
- 12V/24V48V input
- Max. AC charge current 70A.
- Inbuilt pure copper transformer

### LCD DISPLAY INFORMATION

Table DIP switch function setting

DIP Switch NO.	Switch Function	Position: 1	Position: 0
SW1	Low battery trip volt	10.0VDC	10.5VDC *2 for 24VDC, *4 for 48VDC
SW2	AC input range/ (AVR)	230VAC	145-272VAC / 184-272VAC
SW3	Power Saver auto setting	Detect load per 5secs	Detect load per 30secs
SW4	O/P Frequency setting	50Hz	60Hz
SW5	Solar/AC priority setting	Utility priority	Solar priority

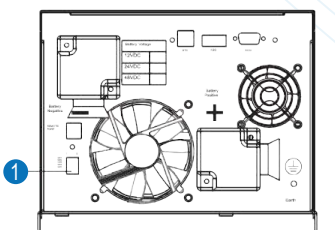


1. Switch

Power saver auto: Power on with saver mode (Power saver ≤ 25W)  
Unit Off. Power totally off. (If there is AC power, inverter have charger function)  
Power saver off. Power saver on without saver mode

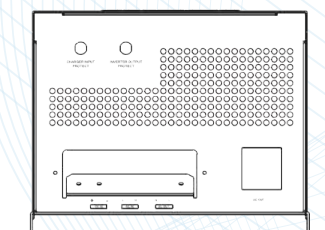
- 2. PV Voltage Normal
- 3. BATT Battery Voltage normal
- 4. CHG STATE Charging
- 5. AC Power On
- 6. AC Power On
- 7. INVERTER Inverter mode
- 8. FAULT check inverter
- 9. Change current adjustable: 25%, 50%, 75%, 100% (Optional)

- 10. Audible Alarm
- 11. LCD Display



1. DIP Switches

On the rear panel of inverter, there are 5 DIP switches which enable users to customize the performance of the device.



1. Optimal RS232 and Remote controller features

Figure 3 DC side

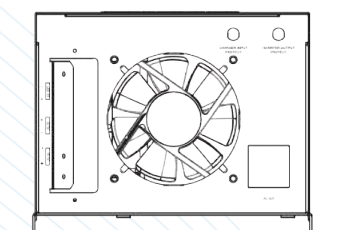


Figure 4 AC side

### APPROXIMATE BACK-UP TIME TABLE

vPower Rate(w)	Backup Time (H) @ 1*100Ah	Backup Time (H) @ 2*100Ah	Backup Time (H) @ 4*100Ah	Backup Time (H) @ 4*200Ah	Backup Time (H) @ 8*200Ah
1000	0.4806	1.602	3.50304	7.6896	
2000	0.2136	0.4806	1.602	3.50304	7.6896
3000	0.1068	0.2848	0.8544	2.136	4.8416
4000		0.2136	0.4806	1.602	3.50304
5000		0.12816	0.34176	1.19616	2.73408
6000		0.1068	0.2848	0.8544	2.136

### SPECIFICATIONS

MODEL		HPIC-1KW		HPIC-1.5KW		HPIC-2KW		HPIC-3KW		HPIC-4KW		HPIC-5KW		HPIC-6KW			
Default Battery System Voltage		12DC	24DC	12DC	24DC	12DC	24DC	12DC	24DC	24DC	48DC	24DC	48DC	24DC	48DC		
INVERTER OUTPUT	Rated Power	1KW		1.5KW		2KW		3KW		4KW		5KW		6KW			
	Surge Rating (20ms)	3KVA		4.5KVA		6KVA		9KVA		12KVA		15KVA		18KVA			
	Capable Of Starting Electric Motor	1HP		1HP		1HP		2HP		2HP		3HP		3HP			
	Waveform	Pure sine wave/ same as input (bypass mode)								Pure sine wave/ same as input ( bypass mode )							
	Nominal Output Voltage RMS	100 V/110V/1 20 VAC 2 20 V/ 230 V/240VAC (+/-10% RMS )								100V/110V/120VAC 220V/230V/240VAC				220 V/230 V/240VAC			
	Output Frequency	50 Hz/60 Hz +/-0.3 Hz								50Hz/60Hz +/-0.3 Hz							
	Inverter Efficiency(Peak)	> 88%								>88 %							
	Line Mode Efficiency	> 95%								> 95%							
	Power Factor	0.8								1.0							
Typical Transfer Time	10m s(max)								10m s(max)								
AC INPUT	Voltage	23 0 VAC								23 0 VAC							
	Selectable Voltage Range	96 ~132VA C 155 ~280VAC(For Personal Computers)								96 ~132VAC/155 ~280VAC(For Personal Computers )							
	Frequency Range	50H z/60Hz (Auto sensing) 40-80Hz								50 HZ/6 0 HZ (Auto sensing ) 40-80Hz							
BATTERY	Minimum Start Voltage	10 .0VDC /1 0.5VDC for12VDC mode (*2 for 24VDC , )								20.0 VDC ~21.0VDC /40.0V DC~42.0VDC							
	Low Battery Alarm	10 .5VDC+0.3V for12VDC mode (*2 for 24VDC , )								21.0 VD C+/-0.6V /42.0VD C+/-1.2V							
	Low Battery Cutoff	10 .0VDC+0.3V for12VDC mode (*2 for 24VDC , )								20.0 VD C+/-0.6V /40.0VD C+/-1.2V							
	High Voltage Alarm	16 .0VDC+0.3V for12VDC mode (*2 for 24VDC , )								32.0 VD C+/-0.6V /64.0VD C+/-1.2V							
	High Battery Voltage Recover	15 .5VDC+0.3V for12VDC mode (*2 for 24VDC , )								31.0 VD C+/-0.6V / 62.0VD C+/-1.2V							
	Idle Consumption-Search Mode	< 25W whe n power saver on								<5 0 W when power s aver on							
AC CHARGER	Output Voltage	Depends on battery type								Depends on battery type							
	Charger AC Input Breaker Rating	10 A		30 A		30 A		30 A		40 A							
	Overcharge Protection S.D.	15.7VD C for 12VDC mode (*2 for 24VDC , )								31.4 VDC/62.8VDC							
	Maximum Charge Current	35 A	20 A	45 A	25 A	65 A	35 A	75 A	45 A	65 A	35 A	70 A	40 A	75 A	50 A		
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave ( grid or generator)								Sine wave (grid or generator)							
	Nominal Input Frequency	50Hz or 60Hz								50Hz or 60Hz							
	Overload Protection (SMPS Load)	Circuit Breaker								Circuit Breaker							
	Output Short Circuit Protection	Circuit Breaker								Circuit Breaker							
	Bypass Breaker Rating	10 A		15 A		30 A		30 A		40 A							
	Max Bypass Current	30 amp								40 amp							
SOLAR CHARGER	Maximum PV Array Power	600W	1200W	600W	1200W	600W	1200W	600W	1200W	1600W	3200W	1600W	3200W	1600W	3200W		
	Maximum PV Charge Current	40 amp								60 amp							
	DC Voltage	12V/24V auto work								24V/48V auto work							
	MPPT Range @ Operating Voltage	16~100 VDC								32 ~145VDC @ 24V / 64~145V DC @ 48V							
	Maximum PV Array Open Circuit Voltage	100VDC								145 VDC							
	Maximum Efficiency	>90%								>98 %							
	Standby Power Consumption	<2W								<2 W							
MECHANICAL SPECIFICATIONS	Mounting	Wall mount								Wall mount							
	Dimensions (W x H x D)	460 x 277 x 192mm								597 x 277 x 198 mm							
	Net Weight (Solar CHG) kg	18.3	22	23.5	23	28	27	43.3	48.6	48.6							
	Shipping Dimensions(W x H x D)	554 x 360 x 300mm								743 x 372 x 312 mm							
	Shipping Weight (Solar CHG) kg	21.9	24.8	26.5	25.6	31	30	43.3	53	53							
OTHER	Operation Temperature Range	0 °C to 40°C															
	Storage Temperature	-15 °C to 60°C															
	Audible Noise	60 dB MAX															
	Display	LED+LCD															
	Loading(20GP/40GP/40HQ)	460pcs / 920pcs / 1060pcs								320 pcs / 640pcs / 750pcs							