

PRONTO SOLAR INVERTER AGNI SERIES (HKVA)



KEY HIGHLIGHT:

- ➔ Advanced MPPT Technology
- ➔ Single-Phase Output
- ➔ Mid-Capacity Range
- ➔ Seamless Power Management
- ➔ Wide Battery Compatibility
- ➔ High Conversion Efficiency
- ➔ User-Friendly Interface
- ➔ Low Maintenance
- ➔ Application : Home & Offices
- ➔ Many More Protections & Features



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PRONTO SOLAR INVERTER AGNI SERIES DATA SHEET (HKVA)

INVERTER RATING (KVA)		2500VA	3000VA	3500VA	5000
BATTER VOLTAGE		24	24	48	48
A SOLAR CHARGE CONTROLLER					
1	Charger Type & Topology				
2	PV Total Nominal Capacity (KVA)	3KW	3KW	4KW	5KW
3	No. Of MPPT Channels	1	1	1	2
4	Per Channel PV Capacity (w)(Nominal Peak)	3KW/3.2KW	3KW/3.2KW	4KW	5.2KW
5	Max.Open Circuit PV Volts (Voc)	100	100	200	200
6	MPPT Voltage Range (Volts)	40-100	40-100	90-180	90-180
7	PV Minimum Voltage (Volts)	40	40	90	90
8	Max.VOC for PWM SCC	50	50	-	-
9	Max.O/P Amps per channel (PWM Amps)	50/70	50/70	-	-
10	Max.O/P Amps per channel (MPPT Amps)	55	55	60	60/120
11	Max. Battery Charging Amps From PV (Amps)	20-50	20-50	20-50	20-50
13	Battery type Supported				
14	Min. Battery AH (Suggested)	150	150	150	150
B INVERTER/ SOLAR PCU					
1	No. of Phases/Connection Type				
4	Nominal Output Voltage/Frequency (Volts/Hz)	220/50hz	220/50hz	220/50hz	220/50hz
5	Nominal VA Capacity (VA)	2500	3000	3500	5000
6	Battery Discharging Current (A)	83	100	58	100
7	Voltage Regulation (At No Load)	±2%	±2%	±2%	±2%
8	Freq Regulation (At No Load)	±0.5 Hz	±0.5 Hz	±0.5 Hz	±0.5 Hz
9	THD	>4%	>4%	>4%	>4%
10	Load Power Factor	0.8 lag to unity			
12	Over Loads :	100-105%-60sec			
13		105-110%- 30 sec			
14		110-120%-2 sec			
15	Max Allowed Phase Imbalance (%)	N/A			
16	Auto Bypass Feature	N/A			
C GRID CHARGER					
1	Grid Voltage Range (Voltage Sync. Range)	90V-280V (PHASE TO NEUTRAL)			
2	Grid Frequency Range (Freq.Sync.Range)	50 Hz ±5%			
3	Max Grid Import Power (KVA)	NA			
4	Max Battery Amps During Grid Charging (Amps)	16A	16A	16A	16A
5	Peak charging Efficiency (%)				
INVERTER LOAD Capacity (W) (BULB LOAD)		2KW	2.4KW	2.8KW	4KW
1	PV Side	Reverse Polarity, High Current			
2	Battery Side	Reverse Polarity			
3	Grid Side	Over/Under Voltage, Over/Under Freq.,Surge Protection ,Reverse Feed Protection			
4	Load Side	Over Load, Short Circuit			
5	System Protection	Over Temprature Trip, Input Short Circuit , Output Input Short			
D USER INTERFACE					
1. DISPLAY INTERFACE		LCD NUMERICAL DISPLAY			
2. DISPLAYED PARAMETERS					
1	Battery Parameters	Voltage , Battery Charging Current,			
2	PV Parameters	PV Voltage, PV Current, PV Power			
3	Grid Parameters	Grid Voltage, Grid freq.			
4	Load Parameters	Load %			
5	Data Logging	OPTIONAL			
6	System Level	fault & Warning			
3. INDICATION/PROTECTIONS					
1	LED Indication	OPTIONAL			
2	User Keypad for Settings Change	ON/OFF, UP, DOWN, SETTING			
3	Breakers at all input	MCB / FUSE / TCB			
5	Remote Monitoring Optional	DATA MONITORING THROUGH WIFI & GPRS			
MISCELLANEOUS					
1	Degree Of Protection	IP 31			
2	Cooling method	Temp. Controlled FAN Force Cooling			
3	Operating Temperature	0-50 Degree Ambient Operation			
4	Humidity (Non Condensing)	Max. 90% Non Condensing			
5	Altitude (above sea level)	1000m Above Sea Level			
6	Housing	Sheet Metal, floor Standing / Wall Hanging			
7	Dimensions in mm (H x W x H)	375X350X335MM	375X350X335MM	380X750X600MM	380X750X600MM
8	Approx Weight (kg)	21KG	22KG	35KG	42KG
Note:- The specifications are subject to change due to continuous improvements.					

*Pronto Renewables Energy offers a 10-year on-site service warranty which includes an 8-year comprehensive product warranty for the inverter, after which components will be charged.