



PRONTO SOLAR INVERTER AGNI SERIES (LKVA)

KEY HIGHLIGHT:

- ➡ Advanced Solar 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



PRONTO RENEWABLES ENERGY PVT LTD NOIDA - INDIA

Address: F-382, Sector-63, Noida, 201301

Ph. No. : +91 8077100670, +91 9911409213 | E-mail: sales@pronto-solution.com

Website: www.prontorenewable.com

PRONTO SOLAR INVERTER AGNI SERIES DATA SHEET (LKVA)

INVERTER RATING (KVA)		500VA	700VA	900VA	1100VA	1600VA	2000VA
BATTER VOLTAGE		12	12	12	12	24	24
A SOLAR CHARGE CONTROLLER							
1	Charger Type & Topology	PWM & MPPT					
2	PV Total Nominal Capacity (KVA)	1KW	1KW	1KW	1KW	2KW	2KW
3	No. Of MPPT Channels	1	1	1	1	1	1
4	Per Channel PV Capacity (w)(Nominal Peak)	1KW/1.2KW	1KW/1.2KW	1KW/1.2KW	1KW/1.2KW	2KW/2.2KW	2KW/2.2KW
5	Max.Open Circuit PV Volts (Voc)	50	50	50	50	100	100
6	MPPT Voltage Range (Volts)	30-50	30-50	30-50	30-50	40-100	40-100
7	PV Minimum Voltage (Volts)	26	26	26	26	40	40
8	Max.VOC for PWM SCC	45	45	45	45	50	50
9	Max.O/P Amps per channel (PWM Amps)	40/50	40/50	40/50	40/50	40/50	40/50
10	Max.O/P Amps per channel (MPPT Amps)	55	55	55	55	55	55
11	Max. Battery Charging Amps From PV (Amps)	20-50	20-50	20-50	20-50	20-50	20-50
13	Battery type Supported	LEAD ACID / VRLA / LMLA / LiFePo4					
14	Min. Battery AH (Suggested)	50	100	100	100	100	100
15	Peak charging Efficiency MPPT (%)	>92%					
B INVERTER/ SOLAR PCU							
1	No. of Phases/Connection Type	1Phase/2wire					
4	Nominal Output Voltage/Frequency (Volts/Hz)	220/50hz	220/50hz	220/50hz	220/50hz	220/50hz	220/50hz
5	Nominal VA Capacity (VA)	500	700	900	1100	1600	2000
6	Battery Discharging Current (A)	33	46	60	71	53	66
7	Voltage Regulation (At No Load)	±2%	±2%	±2%	±2%	±2%	±2%
8	Freq Regulation (At No Load)	±0.5 Hz	±0.5 Hz	±0.5 Hz	±0.5 Hz	±0.5 Hz	±0.5 Hz
9	THD	>4%	>4%	>4%	>4%	>4%	>4%
10	Load Power Factor	0.8 lag to unity					
12		100-105%-60sec					
13	Over Loads :	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	16A	16A
5	Peak charging Efficiency (%)						
INVERTER LOAD Capacity (W) (BULB LOAD)		400W	560W	560W	880W	1.2KW	1.6KW
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 Temperature 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)	370X350X185MM	370X350X185MM	370X350X185MM	370X350X185MM	395X350X225MM	375X350X335MM
8	Approx Weight (kg)	7.5KG	8KG	9KG	10KG	15KG	20KG
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.