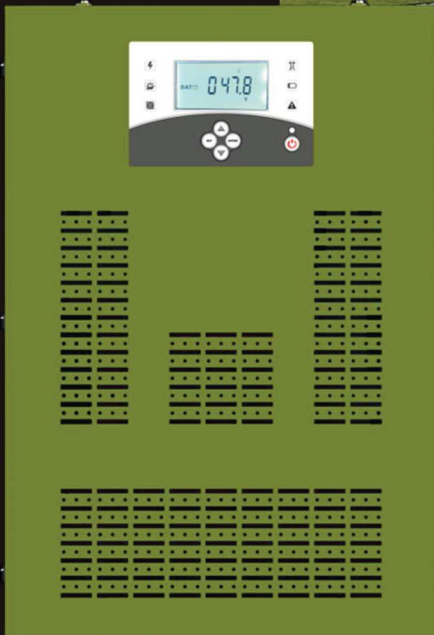




## SOLARON SERIES



- Increased solar power generation
- Less dependency on grid
- 3 mode of priority
- Optional grid charging
- Largest LCD display
- Optional two-way IoT access
- IGBT / Hybrid Bidirectional

7.5KVA/96V

## MPPT-BASED PCU (SINGLE PHASE)

### The Heavyduty Soldier of Solar Inverters

Built for harsh Indian weather conditions. Our MPPT-based PCU uses smart management of renewable solar power, grid supply and battery. This allows it to deliver power seamlessly for all electrical applications - thus significantly reducing diesel consumption and electricity bill. Result: Economical power solution giving benefit of optimal renewable energy - 365 days a year

\*Other customised ratings available on request

## SOLARON SERIES MPPT - BASED PCU



With UNILINE range of Solaron single phase inverters, gone is the time where the entire load can be supplied in case of power cut. Thanks to our latest MPPT polynomial algorithm, we can get maximum power. We use advanced DSP Controllers that delivers high-performance for real-time signal processing. System is supplied with world class LCD with maximum performance.

## SOLAR OFF-GRID INVERTERS

### GUARANTEED TECHNICAL PARTICULAR

**MODEL NO: Solaron 7500**

<b>A</b>	Rating	<b>7.5KVA/96V/1P</b>	
<b>B. SOLAR CHARGE CONTROLLER (SCC)</b>			
1	Charge Controller Type/Topology	MPPT/Buck Type	
2	PV Nominal Capacity	7500	Wp
3	No of MPPT Channels	1	
4	PV Peak Capacity	7500	Wp
5	Max. Open Circuit PV Volts (Voc)	320	Volts
6	MPPT Voltage Range	175-266	Volts
7	Max SCC output Amps	75	Amps
8	Peak Charging Efficiency	≥94	%
<b>C. SOLAR INVERTER</b>			
1	No of Phases	1P+N	
2	Nominal Battery Voltage	96	Volts
3	Nominal Output Voltage/ Frequency	230 / 50	Volts/ Hz
4	Nominal KVA Capacity	7500	VA
5	Rated output Current	26	Amps
6	Peak Efficiency ( with inbuilt Tx. )	≥90	%
7	Load Power Factor	0.6 lag to unity	
8	Over Loads: 10 min/ 60 sec	125%/150%	
9	Auto Bypass Feature	Provided	
<b>D GRID CHARGER</b>			
1	Grid Voltage Sync. Range	230V (+10% & -20%)	VAC
2	Grid Frequency Sync Range	50Hz (+5% & -5%)	Hz
3	Max Grid Import Power	7500	VA
<b>E. PROTECTIONS</b>			
<b>PV Side:</b> Reverse Polarity, PV overload, Surge Protection (MOV)			
<b>Battery Side:</b> Reverse Polarity, Over/ Under Voltage, Current Limit			
<b>Grid Side:</b> Over/ Under Voltage, Over/ Under Frequency , Surge Protection (MOV)			
<b>Load Side:</b> Over/ Under Voltage, Overloads, Short Circuit , Surge Protection (MOV)			
<b>System Protection:</b> Over Temperature			

## F. USER INTERFACE

### 1. DISPLAYED PARAMETERS

**Battery Side:** Voltage, Current, Battery Charging/Discharging

**PV Side:** Voltage, Current, Power, Energy

**Grid Side:** Voltage, Current, Frequency

**Load Side:** Voltage, Current, Frequency

**System level:** Mode of Operation, Faults

### 2. INDICATIONS/ AUXILIARY

Indications: Power On, Inverter ON, Solar Present/Charging, Load On Grid/Charging, Battery Low, System Trip

User Keypad for Settings Change.

## G. MISCELLANEOUS

1	Degree Of Protection	IP-21
2	Cooling Method	Temp Controlled Force Cooling
3	Operating Temperature	0-50 degrees (without Derating)
4	Humidity	Max. 95% Non-Condensing
5	Altitude	1000m above sea level
6	Housing	Sheet Metal, Tower Type
7	Cable Entry	Bottom
8	Cable Termination Type	Bus Bar Type with ring type lugs
9	Terminal Sizes (PV/ Battery/ Grid/ Load)	M6 / M6 / M6 / M6
10	Dimension (HXWXD)	652X375X825
11	Isolation Transformer	At Output
12	Certification	IEC 61683 & 60068
13	Output Wave Form	Pure Sine Wave

Note: Uniline Reserve the right to modify or withdraw any of the rating or technical specification.

## OUR PRODUCT RANGE



**SMARTLINE SERIES**  
0.5 - 3.0 KVA  
Offline & Line Interactive UPS Range



**MAXI SERIES**  
3 - 120 KVA  
Heavy Duty Critical Loads UPS Range



**TRIPOWER SERIES**  
20 - 500 KVA  
State of the Art Advanced Industrial UPS Range



**TRIPOWER TP SERIES**  
20 - 300 KVA  
Next Gen IT, ITes & Data centers UPS Range



**Servo Range**  
5 - 1000 KVA  
Industry Leading Servo Stabilizers

SOLAR RANGE : ON GRID / OFF GRID / HYBRID / PLANTS • IP ENCLOSURES : IPXX OUTDOOR ENCLOSURES • CUSTOMISED SOLUTIONS PROJECTS • POWER CONSULTANCY

PAN INDIA NETWORK • 18 REGIONAL OFFICES • 250+ SERVICE LOCATIONS



**ISO**  
9001

**ISO**  
14001

**ISO**  
18001



EN 50091  
for  
Safety & EMC



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