



PICOAMPERE
STAL SERIES



PICOAMPERE

STAL30W2V1

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	3000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	not applicable
Nominal working V	100V ~ 450 V DC	not applicable
Max Input Current	12 A DC	not applicable
Grid Input Power	2500W	
Minimum Input Voltage	200 V AC	
Maximum Input Voltage	250 V AC	
Input Current	10 A	
Frequency	50Hz	
PF	0.99	
Output Power	3000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	13 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



PICOAMPERE

STAL30W2V2

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	3000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	not applicable
Nominal working V	100V ~ 450 V DC	not applicable
Max Input Current	12 A DC	not applicable
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	3000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	13 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



PICOAMPERE

STAL30W2V3

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	3000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	not applicable
Nominal working V	380V ~ 450 V DC	not applicable
Max Input Current	12 A DC	not applicable
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	3000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	13 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



PICOAMPERE

STAL50W2V1

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	5000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	not applicable
Nominal working V	100V ~ 450 V DC	not applicable
Max Input Current	12 A DC	not applicable
Grid Input Power	2500W	
Minimum Input Voltage	200 V AC	
Maximum Input Voltage	250 V AC	
Input Current	10 A	
Frequency	50Hz	
PF	0.99	
Output Power	5000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	23 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



PICOAMPERE

STAL50W2V2

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	5000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	450V DC
Nominal working V	100V ~ 450 V DC	100V~450 V DC
Max Input Current	12 A DC	12 A DC
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	5000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	23 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



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- LCD Display for view parameter information.
- Wall mount design.

Capacity	5000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	450V DC
Nominal working V	380V ~ 450 V DC	380V~450 V DC
Max Input Current	12 A DC	12 A DC
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	5000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	23 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



PICOAMPERE

STAL70W2V2

Key Features:

- Transformer less Technology Highly efficient .
- Wide Input PV range 100 ~ 450V DC .
- Inductive jerk load Running capabilities.
- Over Current Protection.
- Inbuilt VFD Mode for run Single phase water pump.
- Load sharing with grid capabilities .
- Easy to Install Plug and play .
- Can automatically work parallel with On grid inverter .
- Inbuilt automatic changeover for bypass load to grid supply .
- LCD Display for view parameter information.
- Wall mount design.

Capacity	7000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	450V DC
Nominal working V	100V ~ 450 V DC	100V~450 V DC
Max Input Current	12 A DC	12 A DC
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	7000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	31 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	



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- LCD Display for view parameter information.
- Wall mount design.

Capacity	7000W	
PV Inputs	MPPT 1	MPPT 2
Max Voc	450V DC	450V DC
Nominal working V	380V ~ 450 V DC	380V~450 V DC
Max Input Current	12 A DC	12 A DC
Grid Input Power	Not Applicable	
Minimum Input Voltage	NA	
Maximum Input Voltage	NA	
Input Current	NA	
Frequency	NA	
PF	NA	
Output Power	7000 W	
Output Voltage	230V AC $\pm$ 10 %	
Output Current	31 A	
Output Waveform	Pure Sinewave	
Frequency	50 Hz	
Protections		
Over Current Protection	Yes	
Over Temp. Protection	Yes	
Reverse Polarity Protec.	Yes	
Enviroment		
Temp. Range	0°C ~ 40°C	
Humidity	0-90 % (Non-Condensing)	
Dimension		
L x W x H (mm)	250 x 150 x 100 mm	
Weight (kg)	13.5 Kg	