



V-Guard On Grid Inverters

SOLSMART SERIES

USPs

WIDE MPPT RANGE

- Wide MPPT Range (50 - 500V/ 65 - 550V) for higher solar yield
- Better Energy Generation & Savings

ADVANCED SAFETY FEATURES

- Integrated DC switch will give more safety for customer during installations
- Integrated DC SPD for 1P , Integrated AC & DC SPD for 3P
- Integrated DC Breaker to reduce arcs on DC input.

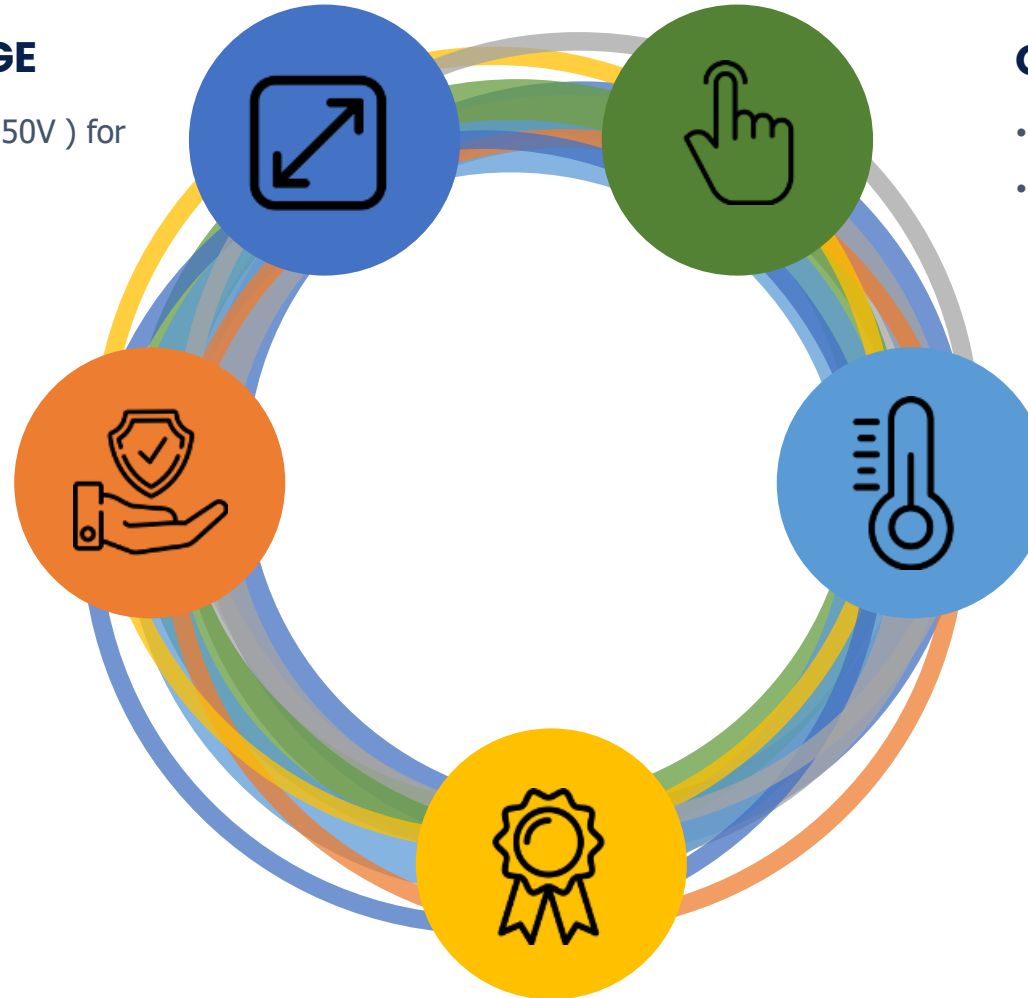
OLED & TOUCH CONTROL

- State of the art design
- Touch control/ LCD display for easy operation

HIGH OPERATING TEMP RANGE

Wide Temperature range (-25 deg C to 60 deg C) for harsh weather conditions

LONGER WARRANTY – 10 YEARS



MORE FEATURES

V-Guard Smart Mobile App

**WiFi &
BLE**



**Real time
monitoring**



**Solar Parameters like
today's savings, total
savings**



**Grid export
limitation**



**Dedicated cloud
& server available
on request**





High Solar Yield

- ❑ Low startup voltage & wider working range to harvest max solar
- ❑ Better DC/AC ratio (1:4) for higher energy yield

Maximum Efficiency of 98.4 %

- ❑ Net metering system will give huge reduction in electricity bills
- ❑ Better Energy Generation and Savings
- ❑ Support Export control for Residential Applications



Advanced Safety & Reliability features

- ❑ Integrated DC SPD for 1 P, Integrated AC & DC SPD for 3 P
- ❑ IP 65 for 1 P & IP 66 for 3P
- ❑ Integrated DC breaker to reduce arcs on DC input
- ❑ Reverse Protection on both AC & DC side
- ❑ UL certified components for higher service life



Wide input range (80-550 V DC)

- ❑ Wide Input voltage range will enable all types of solar compatibility

User friendly design & operation

- ❑ Touch control/ LCD display for easy operation
- ❑ Light weight and better aesthetics
- ❑ Multi MPP Controller for Easy Installation



Remote Monitoring & Customer Support

- ❑ Lifetime web & App based Monitoring
- ❑ Wi-Fi/GPRS data logger ; Inverter has SD card for 25 years storage



30% compact & lighter

- ☐ FR grade polycarbonate cabinet
- ☐ Chemical resistant

Natural cooling

- ☐ Better thermal control +60 deg C operation
- ☐ Patented Inductor design for efficient heat dissipation



Demand Response Management

- ☐ Demand Response Management ready
- ☐ Future smart grid connectivity ready
- ☐ Future IHM ready

AFTER SALES ADVANTAGES



Easy Maintenance

- ☐ Integrated design, Easy to open
- ☐ Modular design to save service cost
- ☐ Separate power & control stages

Surge protection device

- ☐ Individual SPD protection board to reduce service cost



Smart online diagnostics

- ☐ Remote diagnosis for the faults
- ☐ Remote configuration and updates

CUSTOMER BENEFITS



Save / Reduce your electricity bills



Zero maintenance cost



Applications includes Residential, Commercial & EVs



ROI in 4/5 years depending on your electricity bill



Tax saving



SOLSMART 1000-3300 GFI



SOLSMART 3600-6000 GFI

	SOLSMART 1000 _{GFI}	SOLSMART 1500 _{GFI}	SOLSMART 2000 _{GFI}	SOLSMART 2500 _{GFI}	SOLSMART 3000 _{GFI}	SOLSMART 3300 _{GFI}
Max PV Input Power (W)	1400	2100	2800	3500	4200	4290
Max Efficiency	97.4 %			97.6%		
Max AC apparent Power (VA)	1000	1500	2000	2500	3000	3300
Max Units Generation per day***	4.8	7.2	9.6	12	13	15.8
DC/ AC surge Protection	Type III					
AC short circuit protection	Integrated					
Ground fault monitoring	Integrated					
Grid monitoring & Anti – Islanding Protection	Integrated					
Dimensions (W/H/D) in mm	274*254*138					
Weight (kg)	6			6.2		
Topology	Transformer less					
Protection Degree	IP65					
Display	OLED + LED					
RS485/USB	Integrated					
Wi-Fi	Standard					
GPRS/4G/LAN/RF	Optional					

*** Under Standard operating conditions

	SOLSMART 3600 _{GFI}	SOLSMART 4200 _{GFI}	SOLSMART 4600 _{GFI}	SOLSMART 5000 _{GFI}	SOLSMART 6000 _{GFI}
Max PV Input Power (W)	5040	5880	6400	7000	8100
Max Efficiency	98.2 %	98.4%			
Max AC apparent Power (VA)	3600	4200	4600	5000	6000
Max Units Generation per day***	17.2	20	22	23	28.8
DC/ AC surge Protection	Type III				
AC short circuit protection	Integrated				
Ground fault monitoring	Integrated				
Grid monitoring & Anti – Islanding Protection	Integrated				
Dimensions (W/H/D) in mm	375*350*160				
Weight (kg)	10.8				
Topology	Transformer less				
Protection Degree	IP65				
Display	OLED + LED				
RS485/USB	Integrated				
Wi-Fi	Standard				
GPRS/4G/LAN/RF	Optional				

*** Under Standard operating conditions