

SLVKS/E AC/DC INVERTERS



Application

- **Agricultural Irrigation:** Powers pumps for efficient, sustainable crop irrigation.
- **Grassland Husbandry:** Supplies water for livestock in remote areas.
- **Urban Water Supply:** Drives municipal water systems with solar energy.
- **Domestic Water Supply:** Provides reliable household water in off-grid areas.

Technical Data

Model		SLVKS	SLVKE
		PV Input	
Input voltage range	150-450V	60-450V	350-900V
Recommended Voc voltage	300-380V	175-380V	620-750V
Optimum MPPT voltage	345V	345V	575V
Maximum MMPT efficiency	up to 99%	up to 99%	up to 99%
AC input			
Input voltage range	1PH 220-240V(±10%)	1PH 220-240V(±10%)	3PH 380V-480V(±10%)
Input voltage frequency	50/60Hz	50/60Hz	50/60Hz
		Output	
Output voltage range	0-230V	0-230V	0-480V
Output voltage frequency	0-400Hz	0-400Hz	0-400Hz
Output power range	0.75-4kW	0.75-4kW	0.75-185kW

The Satte SLVKS/E Solar Pump Inverter is a high-efficiency, durable, and versatile solution designed for solar-powered water pumping systems. Below are key details about the inverter, its features, and its applications.

- **Smart IoT Option:** Remote monitoring, control, and data analysis capabilities.
- **User-Friendly:** Plug-and-play, auto start/stop for easy operation.
- **Robust Specifications:** 0.75–185 kW, supports single/three-phase, 0–400 Hz.
- **Hybrid Power Source:** Solar-powered, supports grid/generator for reliable operation.
- **High Efficiency:** 99% MPPT efficiency maximizes energy use, high ROI.
- **Durable Design:** Multiple protections extend lifespan, reduce maintenance costs.

Power	Rated output current		
SLVKS/0.75kW	9	5	
SLVKS/1.5kW	13	7	
SLVKS/2.2kW	18	10	
SLVKS/3kW	23		7
SLVKE/4kW			9
SLVKE/5.5kW			13
SLVKE/7.5kW			17
SLVKE/11kW			25
SLVKE/15kW			32
SLVKE/18.5kW			37
SLVKE/22kW			45
SLVKE/30kW			60
SLVKE/37kW			75
SLVKE/45kW			90
SLVKE/55kW			110
SLVKE/75kW			150
SLVKE/90kW			176
SLVKE/110kW			210
SLVKE/132kW			250
SLVKE/160kW			300
SLVKE/185kW			340

Control Performance			
Motortype	Single phase motor	Asynchronous motors Permanent magnet	
control mode	V/F control, Open-Loop Vector Control, Closed-Loop Vector Control		
Overload capacity	150% of rated load for 60s, 180% of overload capacity for 10s, 200% of overload capacity for 0.5s		
System			
Installation	Support wall-mounted		
Protection class	IP20		
Working temperature	-10°C~+50°C; after exceeding 40°C, the derating will be reduced by 2% according to 1°C		
coolin method	Forced air cooling		
Humidity			
Installation environment	Less than 1000m; after exceeding 1000m, the amount will be reduced by 1% according to 100m		