

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

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.

Model				SLVKS		SLVKE	
				PV Input			
Input voltage range				150-450V		60-450V	
Recommended Voc voltage				300-380V		175-380V	
Optimum MPPT voltage				345V		345V	
Maximum MPPT efficiency				up to 99%		up to 99%	
				AC input			
Input voltage range				1PH 220-240V(±10%)		1PH 220-240V(±10%)	
Input voltage frequency				50/60Hz		50/60Hz	
				Output			
Output voltage range				0-230V		0-230V	
Output voltage frequency				0-400Hz		0-400Hz	
Output power range				0.75-4kW		0.75-4kW	
Power				Rated output current			
SLVKS/0.75kW	9	5		SLVKE/30kW			60
SLVKS/1.5kW	13	7		SLVKE/37kW			75
SLVKS/2.2kW	18	10		SLVKE/45kW			90
SLVKS/3kW	23		7	SLVKE/55kW			110
SLVKE/4kW			9	SLVKE/75kW			150
SLVKE/5.5kW			13	SLVKE/90kW			176
SLVKE/7.5kW			17	SLVKE/110kW			210
SLVKE/11kW			25	SLVKE/132kW			250
SLVKE/15kW			32	SLVKE/160kW			300
SLVKE/18.5kW			37	SLVKE/185kW			340
SLVKE/22kW			45				
				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			