

### Features

- LCD digital display shows input and output data and fault alarm.
- Isolation and EMI filtering design.
- Ultra distance remote control within 1km by RS485 port.
- Upgraded polarity reverse protection controlled by mosfet without burning fuse.  
Host computer function (optional) which can monitor totally 255 units of inverters.  
The system parameters are adjustable by selection button.
- Intelligent cooling fan with load and temperature controller both.


AC Output Standard EU Schucko  Europe



Applications, just for reference



### Specification

Model		PDA500SS-12D	PDA500SS-24D	PDA500SS-48D
Input	DCV	12V	24V	48V
	Voltage Range	10-15VDC	20-30VDC	40-60VDC
	No-load Current	≤1A		
	Convert efficiency	≥90%		
	Fuse	50A*2	25A*2	15A*2
	DC Wiring	BVR6*1	BVR4*1	BVR2.5*1
Output	ACV	220/230/240VAC	220/230/240VAC	220/230/240VAC
	Rated power	500W		
	Peak power	1000W		
	USB	5V, 2.1A		/
	Waveform	Sine Wave  (THD<3%)		
	Frequency	50/60Hz±0.5Hz		
	ACV regulate rate	±5%		
	Output socket	European Schucko (German Type)		
	LED indicator	Green light: power indicator; Red light: protection status and failure		
	Remote controller function	Default		
	RS485	Included		
	LCD display	DC input voltage, AC output Voltage, AC output power, battery charge, load rate, interface code and fault code		
Protection	Input low voltage alarm	11±0.5VDC, 10.5-11.5V settable	22±1VDC, 21-23V settable	44±2VDC, 42-46V settable
	Input low voltage protection	10.5±0.5VDC, 10-11V settable	21±1VDC, 20-22V settable	42±2VDC, 40-44V settable
	Input low voltage protection recovery	12±0.5VDC, 11.5-12.5V settable	24±1VDC, 23-25V settable	48±2VDC, 46-50V settable
	Input over voltage protection	15.3±0.5VDC, 15.2-16V settable	30.6±1VDC, 30.4-32V settable	61.2±2VDC, 60.8-64V settable
	Input over voltage protection recovery	14.7±0.5VDC, 14.5-15V settable	29.4±1VDC, 29-30V settable	58.5±2VDC, 58-60V settable
	Overload/short-circuit protection	Lock up after protection (default) or restart after protection		
	Over temperature protection	Close output, automatic restart after temperature reduction		
	Input reversed protection	OK, no respond		
	Soft start	Yes, 2-6S		
Ground protection	Yes			
Environment	Working temperature	-20°C -50°C		
	Working humidity	20%-90%RH no condense		
	Storage temperature & humidity	-30-70°C, 10%-95%RH		
Safety&EMC	Safety standards	CE & UL458 (only for GFCI receptacle)		
	EMI Conduction & Radiation	Compliance to EN55022 Class A		
	Isolation resistance	I/P-O/P:1000Ohms/500VDC		
	EMS Immunity	Compliance to EN61000-3-2,3		
	LVD	Compliance to EN60950-1: 2006+A11:2009		
	E-mark	Compliance to E8*72/245/EEC,95/54/EC		
Others	Size	284*150*78.6mm		
	Remote controller	Optional		
	Cooling fan	Control by load/temperature		
	Application	Home and office appliances, Power tools and portable equipments, Vehicle and solar power systems...etc.		

**Note:** Specification prior to change without notice

