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PRINTED CIRCUIT BOARD

Over voltage
protection



Low voltage
protection



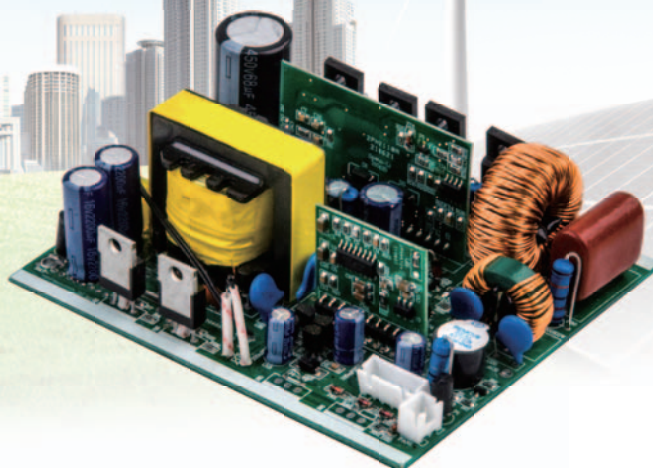
Over load
protection



Over temperature
protection



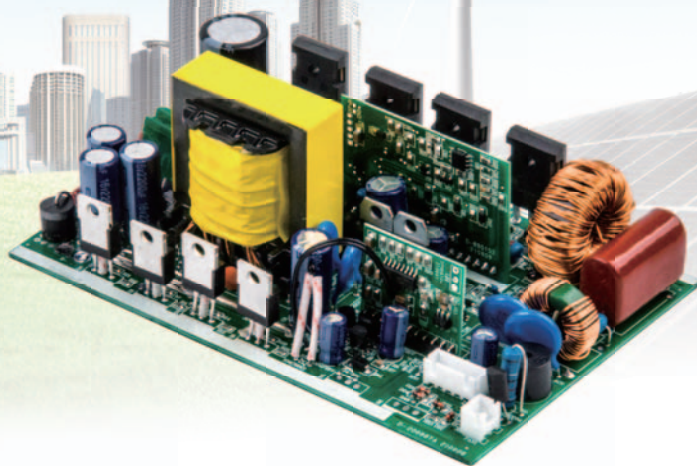
P-300W Printed circuit board



Technical parameters

Model	P-300W-12V	P-300W-24V	P-300W-48V
Output Power	300W		
Peak Power	600W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.55A	≤0.3A	≤0.18A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	89%	91%	93%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			

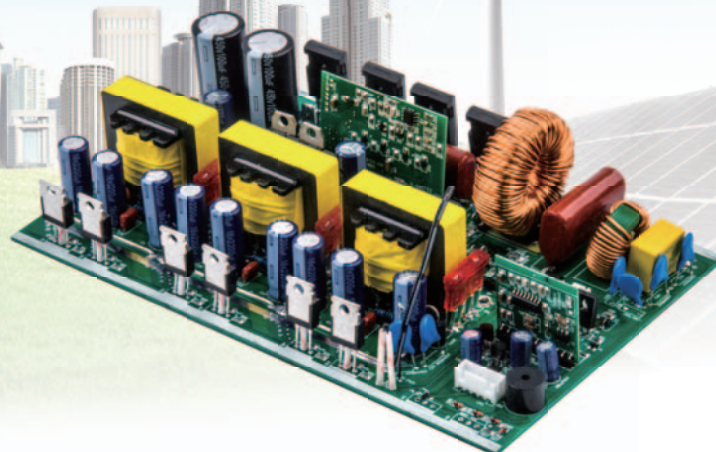
P-600W Printed circuit board



Technical parameters

Model	P-600W-12V	P-600W-24V	P-600W-48V
Output Power	600W		
Peak Power	1200W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.6A	≤0.3A	≤0.2A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	≤0.6A	≤0.3A	≤0.2A
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		

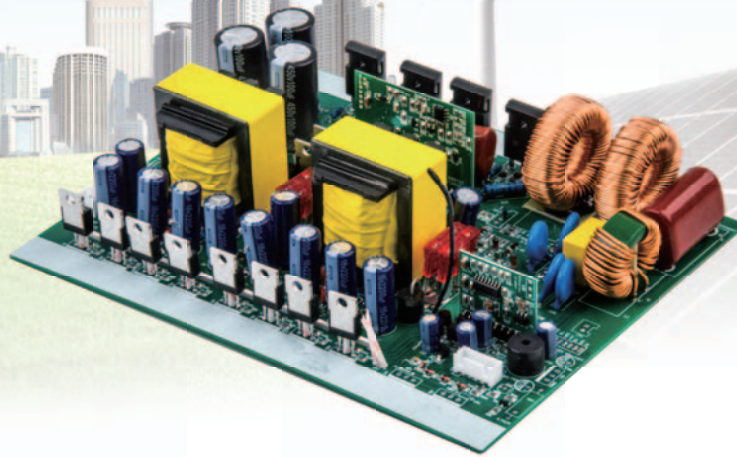
P-1000W Printed circuit board



Technical parameters

Model	P-1000W-12V	P-1000W-24V	P-1000W-48V
Output Power	1000W		
Peak Power	2000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.6A	≤0.3A	≤0.2A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			

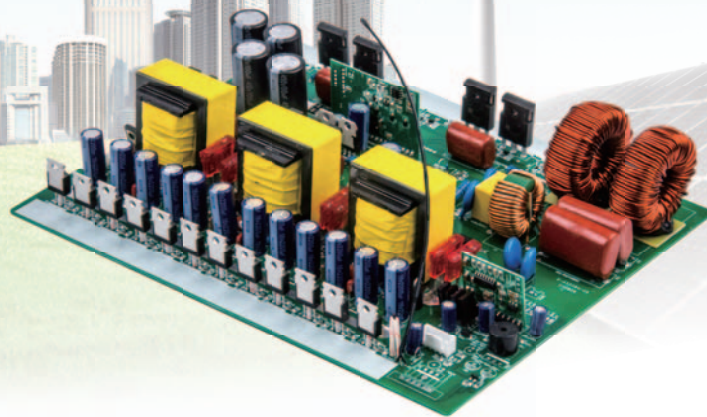
P-1500W Printed circuit board



Technical parameters

Model	P-1500W-12V	P-1500W-24V	P-1500W-48V
Output Power	1500W		
Peak Power	3000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.8A	≤0.4A	≤0.2A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	90%	92%	95%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			

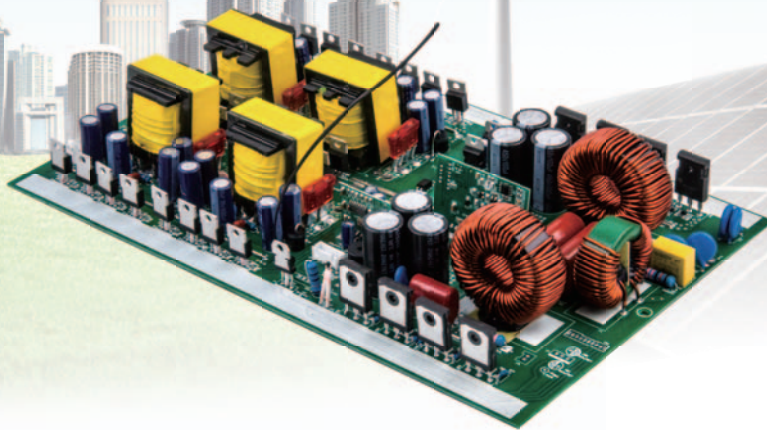
P-2000W Printed circuit board



Technical parameters

Model	P-2000W-12V	P-2000W-24V	P-2000W-48V
Output Power	2000W		
Peak Power	4000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.9A	≤0.55A	≤0.3A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	90%	92%	95%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			

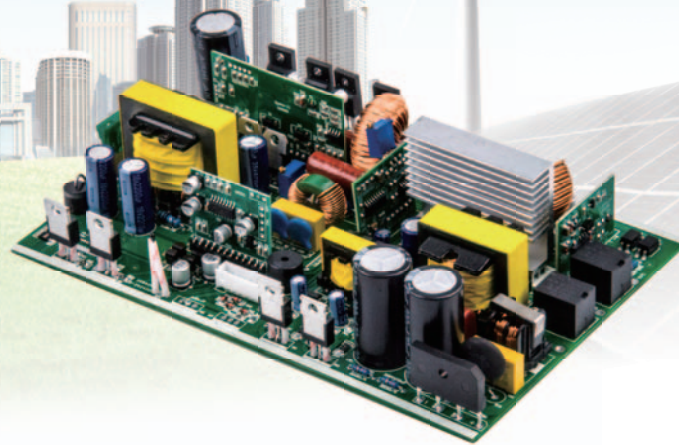
P-3000W Printed circuit board



Technical parameters

Model	P-3000W-12V	P-3000W-24V	P-3000W-48V
Output Power	3000W		
Peak Power	6000W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤1A	≤0.7A	≤0.4A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	LED or LCD display		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	90%	92%	95%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10℃ ~50℃		
Cooling Method	Fan cooling (Temperature control)		

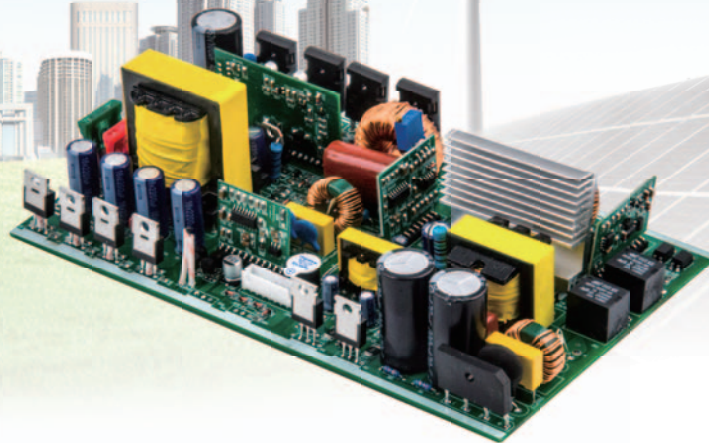
PU-300W Printed circuit board



Technical parameters

Model	PU-300W-12V	PU-300W-24V	PU-300W-48V
Output Power	300W		
Peak Power	600W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.55A	≤0.3A	≤0.18A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	89%	91%	93%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			

PU-600W Printed circuit board



Technical parameters

Model	PU-600W-12V	PU-600W-24V	PU-600W-48V
Output Power	600W		
Peak Power	1200W		
DC Input Voltage Range	DC12V(9.5V-15.5V)	DC24V(19V-31V)	DC48V(38V-62V)
AC Output Voltage (Single Choice)	100V/110V/120V/220V/230V/240V		
Unload Current	≤0.6A	≤0.3A	≤0.2A
Output Frequency	50Hz±2Hz or 60Hz±2Hz		
Output Waveform	Pure sine wave		
Display	/		
USB Output Voltage / Current	5V 2A (Support QC3.0 fast charge up to 18W)		
Max. Output Efficiency	88%	90%	92%
Low Voltage Protection	Alarm "Bi" with 2s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Voltage Protection	Alarm "BiBi" with 1s interval +red and green lights flashing alternately / restart automatically when voltage recover		
Over Load Protection	Alarm "Bi" continuously +red light flashing / restart automatically when load power recover; If it is closed after twice recover, it need restart manually.		
Over Temp Protection	Alarm "BiBiBi" with 1s interval +red and green lights flashing alternately / restart when temp recover		
Short Circuit Protection	yes		
DC Reverse Connection Protection	Fuse burnt		
Low Voltage Alarm Range	10.5v±0.5v	21v±0.5v	42v±0.5v
Low Voltage Protection Range	9.5v±0.5v	19v±0.5v	38v±0.5v
Low Voltage Recover Range	12v±0.5v	23v±0.5v	46v±0.5v
Over Voltage Protection Range	15.5v±0.5v	31v±0.5v	62v±0.5v
Over Voltage Recover Range	14v±0.5v	28v±0.5v	56v±0.5v
Working Temperature	-10°C ~50°C		
Cooling Method	Fan cooling (Temperature control)		
Note: The tech updates constantly. These datas are used for reference only. Please refer to our real product.			