

Online Transformer-free UPS

PV33 Series 10-600 kVA



Advanced Technology:

- Online double conversion
- Wide input voltage range
- IGBT inverter and output isolation transformer
- Advanced battery charging management
- Advanced no-master-slave parallel technology

Green & Reliability:

- High reliability DSP control
- Intelligent fan speed control
- Full protection function
- ECO mode and EPO function
- Efficiency 98% at ECO-mode
- 10,000 events logs
- Battery self-test function
- 12 Pulse rectifier (optional)
- Bypass isolation transformer (optional)

Excellent Flexibility:

- Allow 100% three phase unbalance load
- Intelligent RS232/RS485 & DB9 dry contact communication port
- DC cold start function (optional)
- Intelligent battery monitor system-MMBM (optional)
- MODBUS & SNMP adapter (optional)

www.powerwave-energy.com



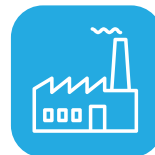
Data Center



Precision Inst



Intelligent



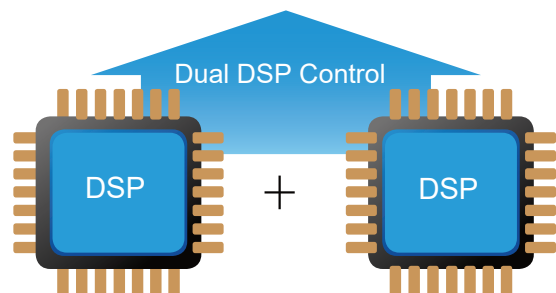
Industrial



Networking



Computer Room



PV33 Series 10-600 kVA

Specifications



MODEL	PV33 3310	PV33 3320	PV33 3330	PV33 3340	PV33 3360	PV33 3380	PV33 33100	PV33 33120	PV33 33160	PV33 33200	PV33 33250	PV33 33300	PV33 33400	PV33 33500- 12P	PV33 33600- 12P	
INPUT																
Voltage (Vac)	380/400/415±25%															
Rectifier	40~70															
Frequency (Hz)	50/60±10% (±5% settable)															
SYNC Frequency Tracking (Hz)	50/60±10% (±5% settable)															
Phase	3φ4W+PE															
OUTPUT																
Capacity (KVA)	10	20	30	40	60	80	100	120	160	200	250	300	400	500	600	
Power Factor	0.9															
Phase	3φ4W+PE															
Voltage (Vac)	L-N:220/230/240±1%, L-L:380/400/415±1%															
Frequency (Hz)	50/60±0.2 (battery mode)															
Waveform	Pure sine wave, THD≤2% (linear load)															
3 Phases 100% Load Unbalance Voltage Stability	≤2%, allow 100% unbalance															
Overload	125% load for 10mins, 150% load for 1 min															
BATTERY																
Voltage (Vdc)	348 (360 settable)							384 (348/360/372 settable)								
BATT Type	External															
Charging Current (A)	10~40A settable							10-100A settable								
OTHERS																
Maintenance Bypass	Yes															
Communication Interface	RS485, MODBUS, dry contacts (SNMP is optional)									RS232, RS485, dry contacts (SNMP is optional)						
Display	Touch screen + LED															
Alarm	Overload, abnormal AC input, low battery, UPS failure, etc.															
Protection	Low battery, overload, over temperature, short circuit, output over voltage, output low voltage, etc.															
Noise (dB)	< 65									< 70						
Working Temperature ()	0~40															
Relative Humidity	0 ~ 95%, no condensation															
Dimension (W×D×H)(mm)	500×600×1180			500×800×1600			700×800×1800			1400×1000×1850			1600×1000×1850		3000×1000×1850	
Weight (kg)	230	260	300	400	450	520	600	650	825	1280	1568	1830	2050	4500		

- ◆ Specification is subject to change without prior notice
- ◆ If the higher charging current is adjusted , the UPS capacity shall be derated.

