

# PowerLead2 Series Online UPS (HV: 1-3KVA)

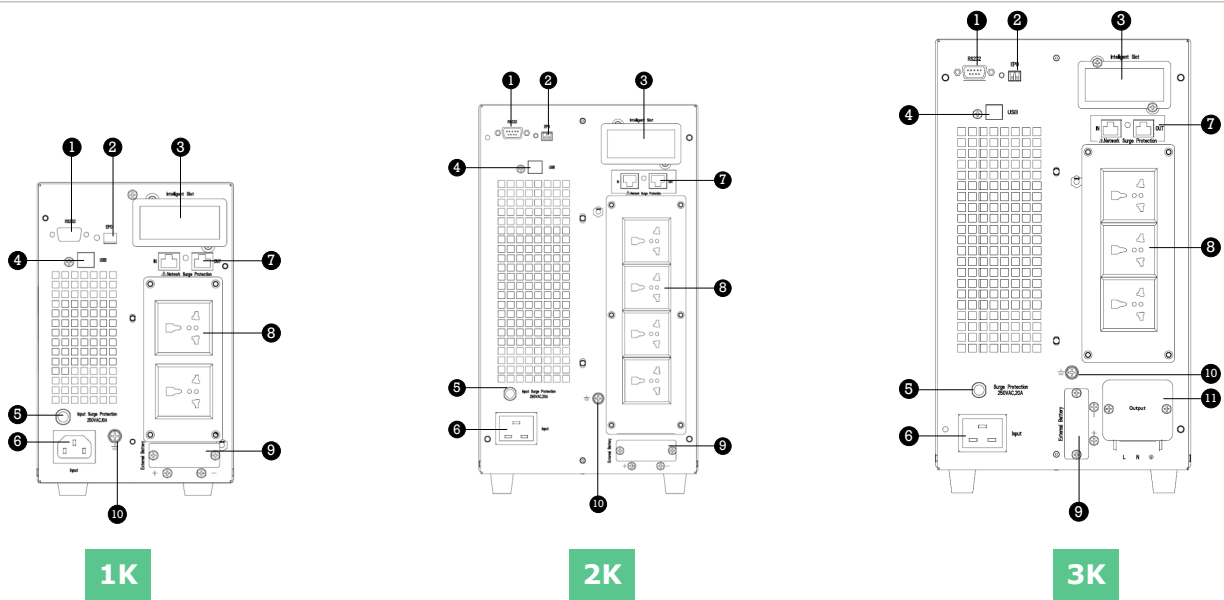
1:1 phase



## Features

- Wide input voltage range;
- Cold start;
- Advanced battery management;
- Automatic battery charging on/ off mode;
- Lighting and surge protection;
- Automatic fan speed adjustment;
- Complete protection function;
- Network/fax/modem surge protection;
- LCD/LED display option;
- EMI/RFI noise filter;
- Smart RS232 port with monitoring software;
- PFC technology.

## Rear Panel



- (1) RS-232 communication port, DB9 type  
 (2) EPO. Short to activate  
 (3) Intelligent slot  
 (4) USB port. B type

- (5) Input surge protection slot.  
 (6) Input socket. 1KVA: IEC C14, 2K/3K: IEC C20  
 (7) Network surge protection  
 (8) Output Socket

- (9) External battery port. Optional for standard model  
 (10) Battery ground  
 (11) Output terminal

## Technical data

Model (HV)	PL2 1K	PL2 1KL	PL2 2K	PL2 2KL	PL2 3K	PL2 3KL
Capacity	1KVA/0.9KW		2KVA/1.8KW		3KVA/2.7KW	

### INPUT

Acceptable Input voltage	50%-125%(220V/230V/240V)					
Phase	Single phase in, single phase out					
Input Power Factor	≥0.97					
Input Frequency Range	40Hz-70Hz					
Frequency Adaptable	Settable					

### OUTPUT

Output PF	0.9					
Normal Output Voltage	220V/230V/240VAC					
Voltage Regulation	±1%					
THDu	≤1.5% THD, liner load; ≤5%THD,no-linear load					

### SYSTEM

Battery Number	12V*7AH*3PCS	External Battery	12V*7AH*6PCS	External Battery	12V*7AH*8PCS	External Battery
Battery Voltage	36VDC		72VDC		96VDC	
Efficiency	88%(line mode),94%(ECO mode),85%(battery mode)		91%(line mode),96%(ECO mode),88%(battery mode)			
Overload Capability (inverter mode)	105~130%: transfer to bypass after 1mins					
	150%: transfer to bypass after 30s					
Overload Capability (battery mode)	105%~130%:shutdown after 10s					
	150%:shutdown after 5s					
Crest Ratio	3:1					
Display	LED+LCD					
Communication Interface	RS232, SNMP/Dry Contact/USB/Surge Protection (Optional)					
W*D*H (mm)	144*353*222		190*374*336		190*426*336	
Net Weight (KG)	12	6	21	10.5	25.6	11.5

# PowerLead2 Series

## Online UPS (HV: 6-20KVA)

1:1 phase



### Features

- Wide input voltage range;
- Cold start;
- Advanced battery management;
- Automatic battery charging on/ off mode;
- Output PF of 0.9;
- Lighting and surge protection;
- Automatic fan speed adjustment;
- Complete protection function;
- Network/fax/modem surge protection;
- LCD/LED display option;
- EMI/RFI noise filter;
- Abundant interface: RS232,USB, SNMP, Intelligent Card;
- PFC technology;
- Parallel function;
- High efficiency, up to 95%;
- KVA=KW, Output PF=1;
- 3 level of technology, compatible with complicated load;
- Self-aging function;
- Intelligent charging management, effectively improving the life time of battery;
- Smaller size with higher power density;
- Parallel up to 8 units.

## Technical data

MODEL	PL2 6K	PL2 10K	PL2 15KL	PL2 20KL
	PL2 6KL	PL2 10KL		
Capacity	6KVA	10KVA	15KVA	20KVA
Phase	Single phase in, Single phase out			
Input voltage range	110VAC~288VAC		50%-125%(220VAC/230VAC/240VAC)	
	100% load@>176VAC; 90% load@>160VAC 80% load@>140VAC; 60% load@>110VAC		100% load@>176VAC; 90% load@>154VAC 80% load@>132VAC; 65% load@>110VAC	
Input THDi	≤4%@100% load; ≤6%@50% load (linear load)			
Input PF	≥0.99		0.98	
Input frequency range	40Hz-70Hz			
Output PF	1.0		0.9	
Output voltage	220V/230V/240V			
Voltage regulation	±1%			
THDu	≤1%(linear) ; ≤5% (non-linear)			
Battery voltage	192VDC			
Battery type/number	12V 7Ah*16	12V 9Ah*16	External	External
	External	External		
System efficiency	Normal mode:95% Battery mode:93%		Normal mode:93.5%; ECO mode:98%; Battery mode:92%	
Noise(1 meter away)	<52dB@<60%load; <56dB@>60%load	<56dB@<60%load; <58dB@>60%load	<48dB@<70%load; 60dB@>70%load	
Overload capability (Inverter mode)	110%:for 10 min ;125%:for 1min ; 150%:for 30 sec (shut down the bypass after 1 min)		110%:for 10 min ;130%:for 1min ; 150%:for 30 sec (shut down the bypass after 1 min)	
Overload capability (Battery mode)	110%: shut down after 1 min; 130%:shut down after 10 sec; >130%: shut down after 200 ms		110%: shut down after 10 min; 125%:shut down after 10 sec; >125%: shut down after 1 sec	
Crest factor	3:1			
Display	LED+LCD			
Standard configuration	RS232		RS232,EPO	
Optional	SNMP, USB, Dry Contacts,Parallel Kit, ECO Kit		SNMP, USB, Dry Contacts,Parallel Kit, ECO Kit, External Battery Cable (standard model), Maintenance Bypass,	
W*D*H (mm)	190*426*705	190*485*705	250*562*650	250*562*710
	190*426*336	190*485*336		
Weight(kg)	56	60	27	34
	14	16		