



SMART  
VOLTAGE  
CONTROL



**PT SERIES  
ONLINE HIGH FREQUENCY UPS**

## SPECIFICATION 1-10KVA

DCP POWER	1KVA	2KAV	3 KVA	6KVA	10KVA
Rated Capacity	1 KVA /1000W	2 KVA /2000W	3 KVA /3000W	6 KVA /6000W	10 KVA /10000W
INPUT					
Input Formats	L+N+PE				
Rated Input Voltage	208/220/230/240VAC				
Voltage Range	110~300VAC ( 110~176VAC,280~300VAC power limited )				
Frequency Range	50/60Hz±6Hz,± 10Hz (setable)				
Input Power Factor	≥ 0.99				
Input Harmonic Distortion	≦ 3% THD(linear load), ≦5% THD(non-linear load) PF=0.8			≦5% THD(linear load), ≦8% THD(non-linear load) PF=0.8	
OUTPUT					
Output Formats	L+N+PE				
Output Voltage	208/220/230/240VAC				
Output Accuracy	± 1%				
Output Frequency	AC mode: same as AC ,Battery mode:50/60Hz±1%				
Output Harmonic Distortion	≦ 1% THD(linear load), ≦3% THD(non-linear load) PF=0.8			≦2% THD(linear load), ≦5% THD(non-linear load) PF=0.8	
Output Power Factor	1.0				
Transform Time	AC mode to Batt. Mode:0ms,Inverter mode to Bypass mode:4ms				
Load Capacity	AC Mode: 30min@102%~110% Load 10min@110%~130% Load 30s@130%~150% Load 200ms@>150% Load	Battery Mode: 1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load	AC Mode: 30min@102%~110% Load 10min@110%~130% Load 30s@130%~150% Load 500ms@>150% Load	Battery Mode: 10min@102%~110% Load 1min@110%~130% Load 10s@130%~150% Load 500ms@>150% Load	

### Machine Efficiency

AC Mode	Full load efficiency 94.5%@220VAC	Full load efficiency 95.5%@220VAC	Full load efficiency 95.5%@220VAC	Maximum efficiency 95.5%,Full load efficiency 95%
Battery Mode	Full load efficiency 89.5%@36VDC	Full load efficiency 91.5%@72VDC	Full load efficiency 91.5%@ 96VDC	Maximum efficiency 95.3%,Full load efficiency 94.8%(20pcs battery)
Battery Mode	Full load efficiency 89.5%@24VDC	Full load efficiency 91.5%@ 48VDC	Full load efficiency 91.5%@ 72VDC	

### BATTERY

Battery Quantity	7Ah x 2	36V	7Ah x4/ 7Ah x6	72V	7Ah x 6/7Ah x 8	96V	7Ah x20	16~20PCS	7Ah x20	16~20PCS
Backup Time	Depend on user' s requirement and configuration									
Charge Current	PT1K-3K : 1.0A(default) ,1-2A(adjustable) External battery back; PT1KL-3KL: 5.0A(default) ,1-12A(adjustable) . PT6K-10K : 5.0A(default) ,1-12A(adjustable) External battery back; PT6KL-10KL : 5.0A(default) ,1-12A(adjustable)									

### WORKING ENVIRONMENT

Ambient Temperature	0~40℃
Ambient Humidity	20%~95% (No Condensation)
Storage Temperature	-15~60℃ (Battery:0~40℃)
Altitude	<1000m,Derating at above 1000m,maximum 4000m,Refer to IEC62040

### DISPLAY

LCD	Working mode/load/battery power/input/output ect.
-----	---

### STANDARD & CERTIFICATION

Standard & Certification:	EN/IEC 61000,EN/IEC 62040,GB/T4943,YD/T 1095,TLC etc.
---------------------------	---

### PHYSICAL

case size (L*W*H)	285*144*225		395*144*225		410*190*325	395*144*225	460*200*720	460*200*360	460*200*720	460*200*360
Weight(KG)	17.5 (2pcs)	10 (2pcs)	32 (48V, 2pcs)/ 24 (72V, 1pc)	17 (48V, 2pcs)	24.2(72V)/ 28.2 (96V), 1pc	17 (2pcs)	61 (16pcs battery)/ 69.5 (20pcs battery)	14	61.5 (16pcs battery)/ 70 (20pcs battery)	14.8
Carton size(L*W*H)	485*380*350		484*483*350 (48V)		610*330*480 (72V)	494*485*350	605*300*989	585*300*520	605*300*989	585*300*520

### COMUNICATION INTERFACE

INTERFACE	1*USB,1*RS232,1*EPO
-----------	---------------------

\*Product specifications are subject to change without notice.