

# PT Series

http://www.svcpower.co.uk

## Online high frequency

### SPECIFICATION 1-10KVA

Model	PT-1K	PT-1KL	PT-2K	PT-2KL	PT-3K	PT-3KL	PT-6K	PT-6KL	PT-10K	PT-10KL	
Rated Capacity	1 KVA /1000W		2 KVA /2000W		3 KVA /3000W		6 KVA /6000W		10 KVA /10000W		
<b>INPUT</b>											
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				
<b>OUTPUT</b>											
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		
<b>Machine Efficiency</b>											
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%@240VAC		Full load efficiency 91.5%@220VAC		Full load efficiency 91.5%@240VAC		Maximum efficiency 95.3%, Full load efficiency 94.8% (20pcs battery)				
Battery Mode	Full load efficiency 89.5%@240VAC		Full load efficiency 91.5%@48VDC		Full load efficiency 91.5%@72VDC						
<b>BATTERY</b>											
Battery Quantity	7Ah x 2	36V	7Ah x 4 / 7Ah x 6	72V	7Ah x 6 / 7Ah x 8	96V	7Ah x 20	16~20PCS	7Ah x 20	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) , External battery back;					
Charge Current	PT6K-10K : 5.0A(default), 1-12A(adjustable) External battery back;					PT6KL-10KL : 5.0A(default), 1-12A(adjustable)					
<b>WORKING ENVIRONMENT</b>											
Ambient Temperature	0~40°C										
Ambient Humidity	20%~95% (No Condensation)										
Storage Temperature	-15~60°C (Battery:0~40°C)										
Altitude	<1000m, Derating at above 1000m, maximum 4000m, Refer to IEC62040										
<b>DISPLAY</b>											
LCD	Working mode/load/battery power/input/output ect.										
<b>STANDARD &amp; CERTIFICATION</b>											
Standard & Certification:	EN/IEC 61000, EN/IEC 62040, GB/T4943, YD/T 1095, TLC etc.										
<b>PHYSICAL</b>											
case size (L*W*H)	285*144*225		395*144*225		410*190*325		395*144*225		460*200*720		
Weight (KG)	17.5 (2pcs) / 10 (2pcs)		24 (48V, 2pcs) / 17 (48V, 2pcs)		28 (12V, 2pcs) / 26.2 (96V, 1pc)		17 (2pcs)		14		
Carton size(L*W*H)	485*380*350		484*483*481 / 610*330*480 (20)		610*330*480		484*483*350		605*300*989		
Carton size(L*W*H)	485*380*350		484*483*481 / 610*330*480 (20)		610*330*480		484*483*350		605*300*989		
<b>COMMUNICATION INTERFACE</b>											
INTERFACE	1*USB, 1*RS232, 1*EPO										

\*Product specifications are subject to change without notice.