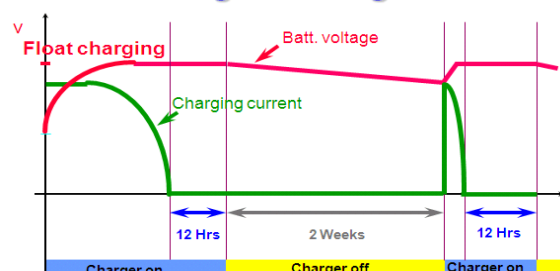


## POWER Castle PLUS Series 6-10/3.1 10 -20KVA



1. DSP control ,with excellent performance and comprehensive protections for load and UPS
2. Output power factor 0.9,offering more stronger load capability
3. Intelligent fan speed control ,with 4 levels varying according to load and temperature
4. Wide input range ,support kinds of generator
5. Dual input AC source supportable
6. EPO(emergency power off)
7. Event log up to 100 events, recording UPS running time and critical memories
8. High efficiency (ECO mode)option
9. Intelligent N+X parallel redundancy, up to 6units
10. AC and cold start function
11. Human friendly large LCD, with plenty operation information
12. Conformal coating PCB for more critical operation environment
13. 3:1phase into single phase easy convertible (10-20Kva)
14. Frequency Converter mode:input 50Hz,output 60Hz or reverse
15. Most advanced 3 electrical level inverter designfor 15-20kva
16. Extremely low failure rate and easy repair(MTBF>80000h,MTBR<0.5h)
17. Intelligent 10A charger,prolong battery lifespan by above 20%:interval three-stage charging process( constant current.constant voltage, float charging) with inverse battery connection protection(option)

### Intelligent charger



18. Multiple communication ports ,SNMP card, AS400 card(optional)

Technical Specification

Model		PCP06S	PCP06L	PCP10S	PCP10L	PCP3110	PCP3115	PCP3120
Capacity(Kva/kW)		6KVA/5.4kW		10KVA/9kW			15KVA/1 3.5KW	20KVA/1 8kW
<b>Input</b>								
Phase		1/1PHASE, 1wire+N+G			3/1APHASE, 3Wires+N+G			
Input PF		≥0.99			≥0.95			
Input voltage	Low transfer	L-N:176 VAC ± 3% @ 100% load;130 VAC ± 3% @ 50% load						
	Low back	L-N:188 VAC ± 3% @ 100% load,142 VAC ± 3% @ 50% load						
	High transfer	L-N:286 VAC ± 3%						
	High back	L-N:270 VAC ± 3%						
Input frequency		40-70hz						
<b>Battery</b>								
Rating/type		12V/7Ah	depend on external battery	12V/9Ah	depend on external Battery	depend on external battery capacity		
quantity		20		20				
Back up time		6mins	depend on external battery	4mins	depend on external Battery			

DC voltage	240Vdc			
Charge voltage	275Vdc			
Recharging current	1A	4A	1A	4A/10A(option)
<b>Output</b>				
Output P.F	0.9			
Output voltage	220/230/240Vac +/-1%(static)			
Frequency	46~54Hz or 56~64Hz (Line mode) 50/60Hz ± 0.1Hz ( Battery mode)			
Crest factor	3:1(max)			
Wave distortion	Less than 2%(linear load), Less than 4% Non-linear load			
Over load	105%<load<125% for 1 mins , 125%<load<150% for30sec			
Efficiency	92%(Line mode)			
	98%(ECO mode)			
Transfer time	0ms (AC-Battery);			
	0 ms(bypass-inverter)			
<b>Indicator</b>				
LCD Panel	UPS status, Load level, Load watt,Load VA,Battery level, Input/Output voltage, output current, Bus voltage, Temp, and warning and fault code and events			
<b>Alarm</b>				
Battery Mode	Sounding every 4 seconds( can mute)			
Low Battery	Sounding every second			
Overload	Sounding every second			
Fault	Continuously sounding			
<b>Management</b>				
Smart RS-232/USB	Supports Windows® 2000/2003/XP/Vista/2008, Windows® 7, Linux, Unix, and MAC			
Optional	SNMP/AS400/USB			
<b>Environment</b>				
Operation Humidity	0-90 % RH (non-condensing) @ 0- 40°C			

Noise Level	Less than 55dBA @ 1 Meter				Less than 58dBA @ 1 Meter			
Physical								
Net Weight (KG)	62	22	76	29	36	45	45	
Gross Weight(KG)	74	35	88	41	48	58	58	
Unit Dimension (D*W*H)mm	582*260*642					600*300*740		
Packing (D*W*H)mm	680*360*810					720*420*920		

Note:6-10kva 120Vac models are available ;

All specifications subject to change without further notice; customized specifications are acceptable