

Inverter Model	POW-SunSmart 8KPL3	POW-SunSmart 10KPL3	POW-SunSmart 12KPL3
AC Input			
Input Voltage Waveform	Sinusoidal (Utility or generator)		
Nominal Input Voltage	230Vac/400Vac (three phase)		
Input Voltage Range	Phase: 170~280Vac, Line: 305~485V		
Nominal Input Frequency	50Hz/60Hz		
Switching Time	10ms typical		
AC Output (Off-grid)			
Rated Output Power	8000W	10000W	12000W
Max. Surge Power	16000W	20000W	24000W
Output Frequency	50Hz/60Hz		
Peak Efficiency	≥ 92%		
Overload Protection	5min@102%~110% load; 10s@110%~125% load; 5s@ > 125%±10% load		
Battery Parameters			
Battery Type	Lithium and Lead Acid Battery, support user define		
System Voltage	48V		
AC Charging & Solar Charging Mode			
Charging Algorithm	3 stages		
Max. AC Charging Current	100A	120A	120A
Max. PV Array Power	6000W/6000W	7500W/7500W	9000W/9000W
PV Array MPPT Range	200~650Vdc/200~650Vdc		
Max. PV Array Open Circuit Voltage	800Vdc/800Vdc		
Max. Charging Current (AC+PV)	180Amp	220Amp	260Amp
General Parameters			
Operating Temperature Range	-10℃ ~55℃ , >45℃ derated		
Dimensions	620x445x130mm (2.03*1.46*0.43ft)		
Net Weight	27kg (59.52lb)		