

On-line UPS

Solomon Venus Series

SVO 60K – SVO 200K



► Key Features

- 7" Color Touch LCD Display
- Output Power Factor 1
- Active Power Factor Correction in All Phases
- 50Hz/60Hz Frequency Converter Mode
- ECO Mode Settable (ECO)
- Emergency Power Off (EPO) Function
- Generator Compatible
- Dual AC Inputs
- Dynamic Password
- Back-Feed Protection
- Load Bus Synchronization (LBS)
- Easy Swap Module Design 100kVA Above
- Complete Front Access Design 100kVA Above
- Parallel Operation with Common Battery
- Adjustable Battery Numbers
- Adjustable Charging Current
- Power Walk-in Function
- Input/Output Isolation Transformer Optional

Model	SVO 60K	SVO 100K	SVO 120K	SVO 180K	SVO 200K
Phase	3-phase in / 3-phase out				
Capacity	60kW	100kW	120kW	180kW	200kW
Parallel Capacity	6				
Input					
Nominal Voltage	3 x 380/400/415 Vac (3Ph+N)				
Voltage Range	-30% ~ +20%				
Frequency Range	40~70Hz				
Power Factor	≥ 0.99 @100% load				
Hamonic Distortion (THDi)	< 3% @ full linear load				
Output					
Nominal Voltage	3 x 360/380/400/415 Vac (3Ph+N)				
AC Voltage Regulation (Battery Mode)	±1%				
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz				
Frequency Range (Battery Mode)	50/60Hz ± 1%				
Current Crest Ratio	3:1 (max.)				
Harmonic Distortion (THDv)	≤ 1% @ linear load; ≤ 3% @ non-linear load				
Transfer Time	Battery Mode to Inverter Mode		Zero		
	Inverter Mode to Bypass Mode		Zero		
	ECO Mode to Battery Mode		10 ms (max.)		
Overload Protection	100~110% for 60 min, 111~125% for 10min, 126~150% for 1 min; ≥150% immediately				
Bypass					
Norminal Voltage	3 x 380/400/415 Vac (3Ph+N)				
Voltage Range	-30% ~ +20% (Adjustable)				
Frenquency Range (Synchronized range)	46~54Hz or 56~64Hz				
Overload Protection	≥130% 1min (default); Continously working untill breaker pretection (optional)				
Efficiency					
AC Mode	96%				
ECO Mode	99%				
Battery Mode	96%				
Battery					
Battery type	Depending on the application				
Total battery Quantity	32 pcs ~ 40 pcs (Adjustable)				
Charging Current	1A~20A (Adjustable)	2A~40A (Adjustable)		3A~60A (Adjustable)	
Charging Voltage	±13.65Vdc x N (N=16~20)				
Interface					
SNMP	Optional				
RS-232 / USB Port	Yes				
Physical					
Dimensions WxHxD (mm)	300 x 1000 x 815		600 x 1600 x 974		
Weight (Kg)	74	241	286	286	382
Enviroment					
Operating Humidity	< 95% non-condensing				
Operating Temp.	0-40°C				
Noise Level @ 1meter	< 65 dB			< 70 dB	