

On-line UPS

Solomon Venus Series

SVO 10K – SVO 40K



► Key Features

- 5" Color Touch Type 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
- Parallel Operation with Common Battery
- Adjustable Battery Numbers
- Adjustable Charging Current
- Dynamic Password
- Power Walk-in Function
- Input/Output Isolation Transformer Optional

Model	SVO 10K	SVO 15K	SVO 20K	SVO 30K	SVO 40K	
Phase	3-phase in / 3-phase out					
Capacity	10kW	15kW	20kW	30kW	40kW	
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					
Harmonic 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)	50/60 Hz±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% or 400ms					
Bypass						
Nominal Voltage	3 x 380/400/415 Vac (3Ph+N)					
Voltage Range	-30% ~ +20% (Adjustable)					
Frequency Range (Synchronized Range)	46~54Hz or 56~64Hz					
Overload Protection	≥130% 1min (default); Continuously working until breaker protection (optional)					
Efficiency						
AC Mode	96%					
ECO Mode	99%					
Battery Mode	96%					
Battery						
Standard Model	Battery Type	12V/9Ah	12V/9Ah	12V/9Ah	12V/7Ah	12V/9Ah
	Total Battery Quantity	(10+10) pcs	(16+16) pcs	(16+16) pcs	(16+16) pcs x 2 strings	
	Recharge Time to 90%	9 hours				
	Charging Current	1A~12A (Adjustable)				1A~16A (Adjustable)
	Charging Voltage	±136.5 Vdc ±10%	±218 Vdc ±10%			
Long-run Model	Battery Voltage	±120Vdc	±192Vdc	±192Vdc	±192Vdc	±192Vdc
	Battery Type	Depending on the application				
	Total battery Quantity	±10 pcs	±10 pcs ~ ±20 pcs (Adjustable)			
	Charging Current	1A~12A (Adjustable)				1A~16A (Adjustable)
	Charging Voltage	±136.5 Vdc ±10%	±13.65Vdc x N (N=16~20)			
Interface						
SNMP	Optional					
RS-232 / USB Port	Yes					
Physical						
Standard Model	Dimensions WxHxD (mm)	250 x 826 x 630			300 x 1000 x 815	
	Weight (Kg)	124	139	139	225	250
Long-run Model	Dimensions WxHxD (mm)	250 x 826 x 630			300 x 1000 x 815	
	Weight (Kg)	28	43	43	60	67
Environment						
Operating Humidity	< 95% non-condensing					
Operating Temperature	0-40°C					
Noise Level @ 1meter	< 60 dB			< 63 dB		