

On-line UPS

Solomon Venus Series

SVO 10KR – SVO 40KR



► Key Features

- 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
- Input/Output Isolation Transformer Optional

Model	SVO 10KR	SVO 15KR	SVO 20KR	SVO 30KR	SVO 40KR	SVO 60KR
Phase	3-phase in / 3-phase out					
Capacity	10kW	15kW	20kW	30kW	40kW	60kW
Parallel Capacity	4					
Input						
Nominal Voltage	3 x 400 Vac (3Ph+N)					
Voltage Range	190~520 Vac (3-phase) @ 50% load; 305 ~478 Vac (3-phase) @ 100% load					
Frequency Range	46~54Hz or 56~64Hz					
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)	50Hz ± 0.1Hz or 60Hz ±0.1HZ					
Current Crest Ratio	3:1 (Max.)					
Harmonic Distortion (THDv)	≤2% @ linear load; ≤5% @ 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	AC Mode		100~110% for 60 min, 111~125% for 10min, 126~150% for 1 min; ≥150% immediately			
	Battery Mode		100~110% for 60 min, 111~125% for 10min, 126~150% for 1 min; ≥150% immediately			
Efficiency						
AC Mode	95.5%					
ECO Mode	98.5%					
Battery Mode	94.5%					
Battery						
Battery Type	Depending on the application					
Total Battery Quantity	20 pcs	32 pcs ~ 40 pcs (Adjustable)				
Charging Current	1A~12A (Adjustable)				1A~16A (Adjustable)	1A~18A (Adjustable)
Charging Voltage	±13.65Vdc x N (N=10)	±13.65Vdc x N (N=16~20)				
Interface						
SNMP	Optional					
RS-232 / USB Port	Yes					
Physical						
Dimension W x H x D (mm)	438 x 133 x 680 (3U)			438 x 176 x 797 (4U)		
Weight (Kg)	26	28	28	40	40	45
Environment						
Operating Humidity	< 95% non-condensing					
Operating Temperature	0 - 40°C					
Noise Level @ 1meter	< 62 dB	< 65 dB	< 65 dB	< 65 dB	< 70 dB	