

Model IP2001

Parallel Inverter System

Main Features

- ▶ Flexible modular structure
- ▶ High reliability
- ▶ Redundant N+1 topology
- ▶ Automatic Static Switch to increase system reliability and overload capability
- ▶ Zero Time load transfer from inverters to Static Switch and vice-versa
- ▶ Hot-swap inverter connections
- ▶ Full digital control by fast RISC microcontrollers
- ▶ Active load sharing system
- ▶ Protection against energy circulation between inverters

Option

- ▶ High performance controller for monitoring, alarms and communications



POWER	N*2KVA	N*3KVA
DC INPUT		
Voltage	48Vdc (nominal) 40 ÷ 57Vdc	
Current	N*47A max	N*70A max
Protection	Circuit Breaker In Inverters, Reverse Polarity	
AC INPUT		
Voltage	220/230Vac (110Vac option)	
Frequency	50Hz (60Hz)±2	
Current	N*9A	N*13A
Protection	Circuit Breaker	
STATIC SWITCH		
Bypass Voltage	187-242Vac /93-132Vac	
Bypass Frequency	50Hz (60Hz)±2	
Transfer Time	<3mS	
Nominal Output Current	N*9A	N*13A
Indication and Signalling	6 LEDs, 3 keys, Audible Alarm, Dry Contact	
Protection	Circuit Breaker at Output	
AC OUTPUT		
Power	N*(2kVA/1.6kW) N*(3kVA/2.4kW)	
Efficiency	85%	
Voltage	220/230Vac±2% (110Vac±2% option)	
THD	<2% at linear load	
Crest Factor	3:1	
GENERAL		
Alarm	Dry Contact Relay, Audible Alarm, LEDs	
Temperature	-10° c to +40° c (operating) -40° c to +70° c (storage)	
Relative Humidity	<95% @ 40° c non-condensing	
Isolation	1.5KV between AC Input and Ground, AC Output and Ground, DC Input and Output	
Safety	IEC950 (ENC60950 Compliant)	
Dimensions	19" Cabinet	
Weight (Inverter system)	N*28Kg+40Kg	N*32Kg+40Kg

- * N = Number of inverters, up to 10
- * Static Switch (STSW) - refer to specs, page no.7
- * Controller - refer to SC2012-INV specs

All specifications are typical and subject to change without prior notice