



COMPACT firmware version 2.40
i4Gen (PC Suite + Touchscreen HMI) software version 2.9.0

DESCRIPTION	PRIME	MAINS	AMF	MASTER	MASTER 1B	BTB	HYBRID	BAT	i4Gen Suite (2.9.0)	HMI i4Gen (2.9.0)
Number of CANopen remote digital inputs increased from 32 to 64 Number of CANopen remote digital outputs increased from 32 to 64	X	X	X	X	X	X	X	X	X	X
General improvement of the search engine for variables	X	X	X	X	X	X	X	X	X	X
Improvements of the Easy Flex page: - Number of lines increased from 50 to 100 - Addition of assignment lines - Addition of condition blocks - Addition of function blocks enabling equation lines to be grouped together, named and commented - Addition of SET and RESET functions - Addition of NOT function to equation operands - Addition of TOFF timer: the result variable is updated only if the result of the variable falls to 0 during the timer period - General improvement of the equation configuration interface	X	X	X	X	X	X	X	X	X	X
Availability of the bits of bitfield variables for use in certain pages of the application: Easy Flex, information page, modification by variable number...	X	X	X	X	X	X	X	X	X	X
The hysteresis function can now be used on all variables	X	X	X	X	X	X	X	X	X	X
Maximum number of characters allowed increased from 14 to 30 for inputs, outputs and user variables labels	X	X	X	X	X	X	X	X	X	X
Improvement of file transfers between i4Gen and controllers	X	X	X	X	X	X	X	X	X	X



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Addition of a function assignable to a digital output, enabling the output to be activated when an alarm/fault reset is performed	X	X	X	X	X	X	X	X	X	X
General improvement of parameters labels and descriptions	X	X	X	X	X	X	X	X	X	X
Variables related to digital inputs can be updated without being assigned to a function	X	X	X	X	X	X	X	X	X	X
Addition of command buttons, operating states and synoptic of the controller on i4Gen Suite when the user is authenticated at level 1 or higher									X	
Improvement of current, power factor and power measurements when the controller input currents are low on high-power generators	X	X	X	X	X	X	X	X		
Removal of the controller's embedded website. Codes for activating options and changing product type must now be entered in the i4Gen dedicated page	X	X	X	X	X	X	X	X	X	X
Compatibility with High-leg Delta systems (neutral between 2 phases in a three-phase system)	X	X	X	X	X	X	X	X	X	X
Addition of rotophase protections			X						X	X
General improvement of the controller home pages	X	X	X	X	X	X	X	X		
A protection set as mains failure no longer opens the mains circuit breaker in manual mode		X	X	X	X					



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Addition of a function assignable to a digital input to indicate the presence of the mains		X	X	X	X				X	X
Addition of checksum and counter management in the TSC1 speed frame of the J1939 protocol	X	X	X						X	X
Simplification and improvement of the engine sequence	X	X	X							
Addition of idle speed management through J1939 protocol	X	X	X							
Addition of bus protection on GENSYS COMPACT PRIME	X								X	X
Addition of Auto Start function management on AMF COMPACT			X						X	X
Possibility of measuring currents on the load (between the 2 circuit breakers) on AMF COMPACT			X						X	X
Management of the generators, PV/wind and storage batteries active power import/export to the grid					X					
AC voltage and AC current inputs for redundant acquisition of electrical measurements and faster than communication with the inverter							X	X	X	X
Using storage batteries as "Grid forming"								X	X	X
Using storage batteries as "Grid following"								X	X	X
Controlling storage batteries reactive power								X	X	X



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Starting the generator(s) on storage batteries inverter fault								X	X	X
An OFF button has been added to manually disconnect the storage batteries								X		
Contribution of storage batteries to load dependent start/stop management of generators								X		
Configurable Modbus table for compatibility with non-SunSpec inverters							X		X	X
PV/Wind power limitation via Modbus TCP or analog output							X		X	X