

GCP Series Features and Functions

Configuration	Option	ANSI	GCP 11 Base	GCP 12 Base	GCP 12 Max	GCP 20 Base	GCP 20 Min	GCP 20 Max	GCP 20 LS Min	GCP 20 LS Max	GCP21 Base	GCP 21 Min	GCP 21 Med	GCP21 Max	GCP 21 LS Min	GCP 21 LS Max	GCP 22 Min	GCP 22 Med	GCP22 Max	GCP 22 LS Min	GCP 22 LS Max	GCP 31 Med	GCP 31 Max	GCP 32 Med	GCP32 Max	EGCP-2	DSL/MSLC
Functional Overview																											
Isolated single operation			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Isolated operation with load sharing																											
AMF automatic mains failure				X	X	X	X	X	X	X																	
Single phase Loss of Mains detection																											
Stand-by operation			X	X	X	X	X	X	X	X																	
CHP operation											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Peak load operation											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Peak load operation with automatic start/stop											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mains parallel operation											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mains parallel operation with load sharing											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Types of synchronisation																											
Mains paralleling											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
No-Break transfer (overlap)						X	X	X	X	X																	
Softloading																	X	X	X	X	X						
ATS automatic transfer switch (change over)				X	X	X	X	X	X	X							X	X	X	X	X						
External (no CB operation by the AMG)			X	X	X	X	X	X	X	X							X	X	X	X	X						
Software selectable voltage/ speed bias																											
Standard features																											
Configurable alarm input (pcs)			12	12	12	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	16	16	16	16	16	16
Configurable relay outputs (pcs)			9	8	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	7	7	7	7	7	12
Start/stop logic for diesel/gas engine			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
kWh counter			X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Service/start/operating hours counter			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Alarm Log [8 events]																											
Configuration via PC/laptop			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection:generator voltage/frequency <>			27/59/81	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: mains voltage/freq./phase shift <>			27/59/78/81	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: generator overload >			32	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: generator reverse power <<			32	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: generator reduced power <			32	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: generator load imbalance			46	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Protection: generator over current >>>			50/51	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Controller: generator voltage						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Controller: engine speed/generator frequency			15			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Controller: generator and mains power											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Controller: power factor											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Load dependent start/stop of gensets											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Pick up input			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Active power controller: load (kW) sharing																											
Re-active power controller: var sharing																											
Process control																											
Extension with external components			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Options																											
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Analog inputs (various sensors) [pcs]	T2/4/7				2			4		4				4					4			7			7	2	
Analog outputs 0/4-20mA [2 pcs]	A2													X					X			X			X		
Analog controller output for n/f/P	Qf					X	X			X		X	X		X	X	X	X		X	X	X	X	X	X	X	
Analog controller output for U/Q	Qu					X	X			X		X	X		X	X	X	X		X	X	X	X	X	X	X	
Remote monitoring and control	Sf					X	X	X	X	X		X	X		X	X	X	X		X	X	X	X	X	X	X	
Active power set value via 0/4-20mA	X													X					X			X		X		X	
Event recorder[50] with real time clock	Ze																					X		X			
Language manager	Zs																					X		X		X	