What are the special features of the easYgen-3x00XT RENTAL Packages ?

Clemens - 2024-09-27 - easYgen-3000XT

below the video more content...

What are easYgen-3000XT-RENTAL controls?

The easYgen-3000XT-RENTAL controllers are dedicated variants for rental or mobile genset applications.

- RENTAL versions have all the capability of according standard versions (baseline SW 2.12) plus
- Four switchable parameter sets, for quickly and easily switch system rated values without reprogramming
- Mobile systems, helpful for maintenance of continuous power source (e.g., utility substation)
- Remotely switch display screens from HOME to F/V or P/Q setpoint screen, especially helpful while applying mobile systems
- Period of use counter for billing purpose when renting the genset(s)
- There is an easYgen-3000XT- RENTAL for each easYgen-3000XT standard item
- Other products like RP3000XT, LS6-XT and GC-3400XT supported (easYgen-3400XT /3500XT Rental Packages required

What is available to sell?



Description	Part Number
EASYGEN-3100XT-P1-RENTAL	8440-2284
EASYGEN-3200XT-P1-RENTAL	8440-2285
EASYGEN-3200XT-P1-LT-RENTAL	8440-2286
EASYGEN-3400XT-P1-RENTAL	8440-2287
EASYGEN-3500XT-P1-RENTAL	8440-2283
EASYGEN-3500XT-P1-LT-RENTAL	8440-2288
EASYGEN-3400XT-P2-RENTAL	8440-2289
EASYGEN-3500XT-P2-RENTAL	8440-2290
EASYGEN-3500XT-P2-LT-RENTAL	8440-2291

CE marked

RoHS 2

UL US LISTED

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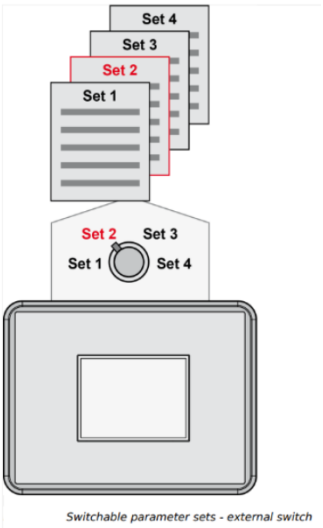
EAC

RENTAL functionality (1/4)

Switchable parameter sets

- Enables to configure and store four independent device settings
- The settings can be switched by one of the following access methods
  - External switch
  - Via HMI or remote panel
  - ToolKit



Switchable parameter sets - external switch

Switchable parameter sets

Parameter	ID				
	Set 1	Set 2	Set 3	Set 4	Original
System rated frequency	7462	7463	7464	7465	1750
Engine rated speed	4751	4772	4793	4814	1601
Generator rated voltage	4752	4773	4794	4815	1766
Mains rated voltage	4754	4775	4796	4817	1768
Busbar 1 rated voltage	4831	4833	4835	4837	1781
Gen. rated active power [kW]	4756	4777	4798	4819	1752
Gen. rated react. power [kvar]	4758	4779	4800	4821	1758
Generator rated current	4760	4781	4802	4823	1754
Generator voltage measuring	7980	7985	7990	7995	1851

New parameters included in XT rental

Parameter	ID				
	Set 1	Set 2	Set 3	Set 4	Original
Mains voltage measuring	7981	7986	7991	7996	1853
Busbar 1 voltage measuring	7982	7987	7992	7997	1856
Int. freq. control setpoint 1	4762	4783	4804	4825	5500
Int.voltage control setpoint 1	4763	4784	4805	4826	5600
Int. load control setpoint 1	4765	4786	4807	4828	5520
Load setpoint 1	7450	7451	7452	7453	5526
PF/kvar setpoint 1 mode	7983	7988	7993	7998	5743
Int. power factor setpoint 1	4767	4788	4809	4830	5620
Int. kvar setpoint 1	7984	7989	7994	7999	5745
Application mode	7454	7455	7456	7457	3444
Breaker transition mode	7458	7459	7460	7461	3411

Switchable parameter sets

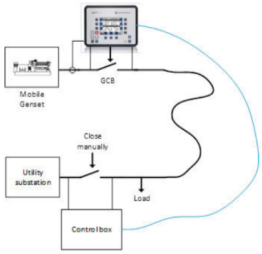
There is a priority selection between the LogicsManager for the Parameter Sets and the default "Parameter Set 1" is used, if more than one parameter set is enabled simultaneously.

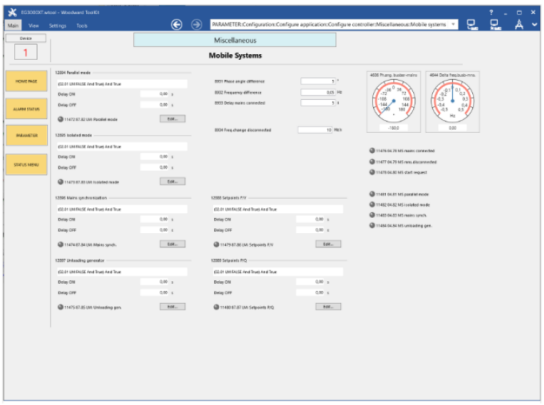
LogicsManager							
87.63 LM: Parameter Set 2	False	**True**	False	False	**True**	False	**True**
87.64 LM: Parameter Set 3	False	False	**True**	False	**True**	**True**	**True**
87.65 LM: Parameter Set 4	False	False	False	**True**	False	**True**	**True**
	Parameter Set 1	Parameter Set 2	Parameter Set 3	Parameter Set 4	Parameter Set 1	Parameter Set 1	Parameter Set 1

Rental functionality (2/4)

Mobile systems

- The Mobile Systems functionality is used for the maintenance from utility substations. The load from the utility substation can be transfer to a mobile Genset during maintenance.





Rental functionality (3/4)

Display screen selection

- The setpoint screens for frequency/voltage and active power/reactive power can be selected with two LogicManager
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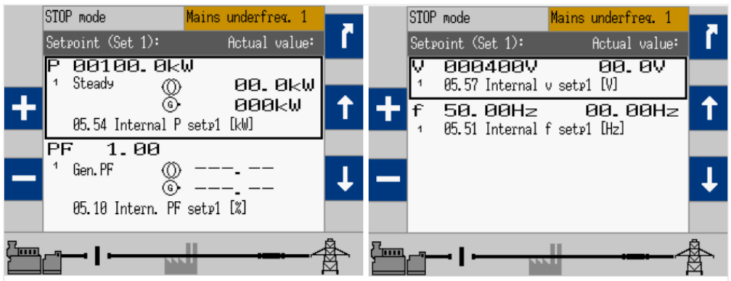
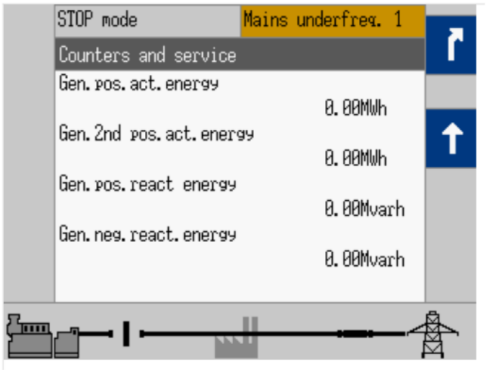


Rental functionality (4/4)

Second positive kWh counter

- The Rental Package provide a second generator positive active kWh counter. This counter is an additional energy counter which may be used for charging the cost when renting the unit



Resources

Manual, Config. Files, CAD models, etc. (delivered via QR code stickers)

- https://wss.woodward.com/manuals/PGC/easYgen-3000XT_series

