

## 37635 Wiring Terminal Comparison

**Use case: Exchange current easYgen with an equivalent easYgen-XT control**

Table Below compares easYgen-3000XT terminals with those of easYgen-3000.

The comparison covers terminals 1-80 that are available in one PCBA variants i.e.

easYgen-3000XT series (easYgen-3100XT-P1, ...-3200XT-P1(-LT), ...-3400XT-P1, and ...-3500XT-P1(-LT)) and

easYgen-3000 series (easYgen-3100-P1/P2, ...-3200-P1/P2, ...-3400-P1, and ...-3500-P1)".

easYgen-3000XT terminal description	Pin/ Terminal	easYgen-3000 terminal description	Required wiring changes of current 3000 System	Required software configuration changes in 3000XT control		
Mains/GND Current AC	1	Mains/GND Current AC		Configure as 1A or 5A.		
	2					
Generator Current AC	3	Generator Current AC				
	4					
	5					
	6					
	7					
	8					
Analog Inputs	9	Analog Inputs		Configure inputs as resistance/current/voltage.		
	10					
	11					
	12					
	13					
Analog Outputs	14					
	15				No short-cut between pin 15/16! Move wire from pin 15 to pin 16. Move wire from pin 62 to pin 15. (Leave pin 62 unconnected)	
	16				Analog Outputs	Configure output as voltage/current/PWM.
	17					
18		Configure output as voltage/current/PWM.				
19			Move wire from pin 18 to pin 19. Leave pin 18 not connected.			
Mains Voltage AC (21, 23, 25, 27 - NC)	20	Mains Voltage AC	Connect only four terminals in each block (Mains, Generator, and Busbar) for L1, L2, L3, and N respectively.	Range change is configured by defined transformer ratio.		
	21					
	22					
	23					
	24					
	25					
	26					
Generator Voltage AC (29, 31, 33, 35 - NC)	27	Generator Voltage AC	<p style="text-align: center;"><b>Notes</b></p> <p style="text-align: center;">NC - Not Connected</p> <p>easYgen-3100XT/3200XT-P1(-LT): upto 480 Vac</p> <p>easYgen-3400XT/3500XT-P1(-LT): upto 690 Vac.</p>	Range change is configured by defined transformer ratio.		
	28					
	29					
	30					
	31					
	32					
	33					
Busbar Voltage AC (37, 39 - NC)	34	Busbar Voltage AC	<p style="text-align: center;"><b>Notes</b></p> <p style="text-align: center;">NC - Not Connected</p> <p>easYgen-3100XT/3200XT-P1(-LT): upto 480 Vac</p> <p>easYgen-3400XT/3500XT-P1(-LT): upto 690 Vac.</p>	Range change is configured by defined transformer ratio.		
	35					
	36					
	37					
	38					
	39					
	40					

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easYgen-3000XT terminal description	Pin/ Terminal	easYgen-3000 terminal description	Required wiring changes of current 3000 System	Required software configuration changes in 3000XT control
Relay Outputs	41	Relay Outputs		
	42			
	43			
	44			
	45			
	46			
	47			
	48			
	49			
	50			
	51			
	52			
	53			
	54			
Earth	61*)	Earth		
NC	62	Engine Ground	Move wire from pin 62 to pin 15. Leave pin 62 unconnected.	
Power Supply	63	Power Supply		
	64			
Auxiliary Excitation	65	Auxiliary Excitation		
Discrete Inputs	66	Discrete Inputs		
	67			
	68			
	69			
	70			
	71			
	72			
	73			
	74			
	75			
MPU	79	MPU		
	80			

\*) Pin 61 of metal housing is not connected (separate earth screw)