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		
	2			
Generator Current AC	3	Generator Current AC		Configure as 1A or 5A.
	4			
	5			
	6			
	7			
	8			
Analog Inputs	9	Analog Inputs		Configure inputs as resistance/current/voltage.
	10			
	11			
	12			
	13			
	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)	
Analog Outputs	16	Analog Outputs		Configure output as voltage/current/PWM.
	17			
	18		Move wire from pin 18 to pin 19. Leave pin 18 not connected.	Configure output as voltage/current/PWM.
	19			
	20			
Mains Voltage AC (21, 23, 25, 27 - NC)	21	Mains Voltage AC	Connect only four terminals in each block (Mains, Generator, and Busbar) for L1, L2, L3, and N respectively. **Notes** NC - Not Connected easYgen-3100XT/3200XT-P1(-LT): upto 480 Vac easYgen-3400XT/3500XT-P1(-LT): upto 690 Vac.	Range change is configured by defined transformer ratio.
	22			
	23			
	24			
	25			
	26			
	27			
	28			
Generator Voltage AC (29, 31, 33, 35 - NC)	29	Generator Voltage AC		
	30			
	31			
	32			
	33			
	34			
	35			
	36			
Busbar Voltage AC (37, 39 - NC)	37	Busbar Voltage AC		
	38			
	39			
	40			

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			
	55			
	56			
	57			
	58			
	59			
	60			
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			
	76			
	77			
	78			
MPU	79	MPU		
	80			

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

- Installation is on your own risk -