

TURBO ENERGY

MPPT 100/30 - 100/50



ELECTRICAL PARAMETERS		
	MPPT 100/30	MPPT 100/50
System voltage	12 / 24 V Auto Select	
Maximum output current	30 A	50 A
Maximum PV power, 12V 1 a,b)	440 W (MPPT range 15 V to 80 V)	700 W (MPPT range 15 V to 70 V resp. 95 V)
Maximum PV power, 24V 1 a,b)	880 W (MPPT range 15 V to 80 V)	1400 W (MPPT range 30 V to 70 V resp. 95 V)
Maximum PV open circuit voltage	100 V	
Maximum efficiency	98%	
Self-consumption	10 mA	
Charge voltaje 'absorption'	Default setting: 14,4 V / 28,8 V (adjustable)	
Charge voltaje 'float'	Default setting: 13,8 V / 27,6 V (adjustable)	
Charge algorithm	multi-stage adaptive	
Temperature compensation	-16 mV / °C resp -32 mV / °C	
Protection	Battery reverse polarity (fuse, not user accesible) Output short circuit. Over temperatura (MPPT 100/50:PV reverse polarity)	
Operating temperature	30 to +60°C (full rated output up to 40°C)	
Humidity	95% non-condensing	
Data communication port	Direct See the data communication	
Colour	Blue (RAL 5012)	
Terminals (fine / single wire)	13mm ² / AWG 6	
Protection category	IP43 (electronic components), IP22 (connection área)	
MECHANICAL PARAMETERS		
Weight	1.25 kg	
Dimensions (x, y, z)	130 x 186 x 70 mm	
Safety	EN/IEC 62109	
1a) If more PV power is connected, the controller will limit input power to 440 W resp. 880 W (MPPT 100/50:700 W resp. 1400W)		
1b) PV voltaje must exceed Vbat + 5V for the controller to start. T hereafter ninimum PV voltaje is Vbat + 1V		