

Hybrid Charge Controller **All Round**

310131, 310132, 310133, 310134, 310135, 310136, 321292, 321293, 321294, 321295, 321296, 321297, 321250, 321251 • 11/2021

The advanced wind/solar hybrid controllers are specially designed for Off-Grid systems. The controllers are rectifying the wind generator 3-phase AC voltage as well as regulating solar cells. The boost function assures charge current even at low wind speed while the buck function decelerates the rotor.

Die Wind/Solar Hybridregler sind speziell für netzferne Wind/Solar Hybridsysteme entwickelt worden und unterstützen den Windgenerator und die Solarzellen dabei, die Batterie sicher und zuverlässig zu laden. Die Laderegler mit Boost sorgen für höchste Energieausbeute auch bei stark schwankenden Windverhältnissen.



All Round 1000



All Round
400-600
Boost



All Round 400-600



All Round 1000 -
3000 Boost

Technical Data	Technische Daten														
Rated Wind Turbine Power	All Round 400_12	All Round 400_24	All Round 600_24	All Round 600_48	All Round 1000_24	All Round 1000_48	All Round 400_12 Boost	All Round 400_24 Boost	All Round 600_24 Boost	All Round 600_48 Boost	All Round 1000_24 Boost	All Round 1000_48 Boost	All Round 1500_48 Boost	All Round 3000_48 Boost	
Peak Output	400 W	600 W	900 W	900 W	1.000 W	1.500 W	400 W	600 W	600 W	600 W	1000 W	1000 W	1500 W	3000 W	
Rated Solar Input Power	600 W	600 W	900 W	900 W	1.500 W	1.500 W	300 W	300 W	300 W	300 W	300 W	300 W	300 W	900 W	
Output Voltage	150 W	300 W	300 W	300 W	300 W	300 W	24 VDC	24 VDC	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	
Working Temp. Range	12 VDC	24 VDC	24 VDC	48 VDC	24 VDC	48 VDC	12 VDC	12 VDC	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	
Package Size	- 20°C ... + 55°C														
Weight	142 x 150 x 80 mm	142 x 150 x 80 mm	142 x 150 x 80 mm	142 x 150 x 80 mm	142 x 150 x 80 mm	142 x 150 x 80 mm	175 x 148 x 84	175 x 148 x 84	175 x 148 x 84	175 x 148 x 84	450 x 423 x 175	450 x 423 x 175	450 x 423 x 250	450 x 423 x 250	
Certificates	1,9 kg	1,9 kg	1,9 kg	1,9 kg	10 kg	10 kg	1,9 kg	1,9 kg	1,9 kg	1,8 kg	1,8 kg	1,8 kg	14,5 kg	15,5 kg	
End of Charge Voltage	14,5 V	29 V	29 V	58 V	29 V	58 V	14,5 V	29 V	29 V	58 V	29 V	58 V			
Low Voltage Disconnection	10,8 V	21,6 V	21,6 V	43,2 V	-	-	10,8 V	21,6 V	21,6 V	43,2 V	-	-			
Over-speed Control break current limit	34 A	17 A	25 A	13 A	42 A	21 A	34 A	17 A	25 A	13 A	42 A	21 A	32 A	62 A	
Rated Output Current of Load 1 and 2	10 A										12 A				
Load 1 Output Control Mode	3 Modes Selection	5 Modes Selection	7 Modes Selection	9 Modes Selection	-	-									
Control Mode	PWM										MPP				
Display Mode	LCD										LCD				
Quiescent Current	20 mA		30 mA		30 mA										
Article No.	310131	310132	310133	310134	310135	310136	321292	321293	321294	321295	321296	321297	321250	321251	