

Hybrid Charge Controller All Round

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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										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 1500_48	All Round 3000_48
Rated Wind Turbine Power	400 W	400 W	400 W	600 W	600 W	1.000 W	1.000 W	1.000 W	400 W	400 W	600 W	600 W	1000 W	1000 W	1500 W	3000 W		
Peak Output	600 W	600 W	900 W	900 W	900 W	1.500 W	1.500 W	1.500 W										
Rated Solar Input Power	150 W	300 W	300 W	300 W	300 W	300 W	300 W	300 W	300 W	300 W	150	300	300	300	300	900		
Output Voltage	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	24 VDC	24 VDC	12 VDC	24 VDC	24 VDC	24 VDC	48 VDC	48 VDC	48 VDC	48 VDC
Working Temp. Range	- 20°C ... + 55°C																	
Package Size	142 x 150 x 80 mm			510 x 510 x 250			175 x 148 x 84			450 x 423 x 175			450 x 423 x 250					
Weight	1,9 kg	1,9 kg	1,9 kg	1,9 kg	1,9 kg	10 kg	10 kg	10 kg	1,9 kg	1,8 kg	1,8 kg	1,8 kg	16 kg	16 kg	14,5 kg	15,5 kg		
Certificates	ISO9001:2008, CE																	
End of Charge Voltage	14,5 V	29 V	29 V	29 V	58 V	29 V	58 V	58 V										
Low Voltage Disconnection	10,8 V	21,6 V	21,6 V	21,6 V	43,2 V	-	-	-										
Over-speed Control break current limit	34 A	17 A	25 A	13 A	21 A	42 A	21 A	21 A	16 A	16 A	33 A	25 A	42 A	21 A	32 A	62 A		
Rated Output Current of Load 1 and 2	10 A			10 A			12 A											
Load 1 Output Control Mode	3 Modes Selection	5 Modes Selection	7 Modes Selection	9 Modes Selection	9 Modes Selection	-	-	-										
Control Mode	PWM																	
Display Mode	LCD																	
Quiescent Current	20 mA			20 mA			30 mA											
Article No.	310131	310132	310133	310134	310135	310136	310136	310136	321292	321293	321294	321295	321296	321297	321250	321251		