

Software version	HDC 1212-40 V22.02	HDC 1212-40NS V23.02
<b>GENERAL</b>		
Input voltage nominal	12Vdc	
Output voltage nominal	12Vdc	
Charging current, adjustable	40Amp. (10 ~ 40Amp)	
<b>CHARGING CONVERTER</b>		
Charging activation	via D+	
Undervoltage protection, adjustable	11,7V (11,5 ~ 12,5V)	
Undervoltage restart, adjustable	12,8V (12,5 ~ 13,5V)	
Overvoltage protection	15,8V	
Overvoltage restart	15V	
<b>CHARGE CONTROLLER</b>		
Input solar	15 ~ 45 Vdc	n/a
Overvoltage protection	45V	n/a
Overvoltage restart	44V	n/a
Undervoltage protection	15V	n/a
Undervoltage restart	19V (timer 60sec)	n/a
Max. power solar panels	600W	n/a
<b>CHARGING FEATURES</b>		
Charging characteristic	IUoUoe, 3 phases	
Voltages, charge setting GEL	14,2V / 13,8V	
Voltages setting WET*	14,4V / 13,5V	
Voltages setting AGM	14,8V / 13,8V	
Voltages setting LI, adjustable	Bulk: 14,4V (12,6V ~ 14,8V) Float: OV (OV/13,0V ~ 14,8V)	
Voltages setting Custom, adjustable	Bulk: 13,8V ~ 14,8V Float: 13,0V ~ 14,0V	
<b>OTHERS</b>		
Efficiency	Max 90%	
Rimpel	≤50mA	
No load consumption @ 12,6V	70mA	
Input connection	Screw connection	
Output connection	Screw connection	
Galvanically isolated	No	
Parallel connectable	No	
Cooling	Fan	
IP classification	IP 205	
Dimensions lwxh	22,2 x 16,4 x 7,4 cm	
Weight	1,3 kg	

All specifications are based on 20°C

All dates subject to change

All mentioned voltages have a tolerance of 0.1 Volt

\* = factory setting