



The Robust 3000HV, output voltages spanning 96-520VDC, is an IP66 protected compact and powerful charger for on board and other demanding charging applications

TECHNICAL DATA

ROBUST 3000HV CHARGER

Nominal AC Input voltage	230VAC
Input voltage range	195 - 264VAC, 47 - 63Hz Stable operations
Input current (Max)	< 16A
Input fuse (inside the unit)	20A
Inrush current	< 30A, Shall not trip 16A B-type circuit breaker
Efficiency	up to > 95%
No Load Power	40W
Standby Power	4W
PF	> 0,98
Maximum DC Output Power	3000W
Nominal Output Voltage	96V 280V
Maximum Output Voltage	144V 520V
Output current (Max)	30A 10A
Li-Ion battery charging	CAN bus communication, external BMS
Lead battery charging	Preselected charging curves
Cooling	Fan



Output Voltage setting accuracy	± 0,5%
Output Current setting accuracy	± 2%
Output ripple	< 1% rms from maximum output voltage (1MHz bandwidth)
Reverse polarity protection	Fuse
Short circuit protection	YES
Overload protection	YES
Isolation:	
Input chassis	1500 Vac
Input-output	3000 Vac
Output-chassis	1000 Vac
Standards:	
Safety	IEC61558-2-16:2009 & AMD1:2013, IEC 61668-1:2017
EMC Emissions	EN 61000-6-4:2007, EN 61000-3-2:2014
EMC Immunity	EN 61000-6-2:2005, EN 61000-3-3:2013
Dimensions and Weight	421mm (l) x 235mm (w) x 80mm (d), 5,3kg
Protection class	IP54 (IP66 optional)
Ambient temperature (Absolute max)	+ 55°C
Ambient temperature (Full Power Out)	- 35°C ... + 35°C

Typical U/I curves at 230VAC input

