



# HUMLESS UNIVERSAL 10 | 4

## Specifications Sheet

### INVERTER SPECIFICATIONS

Output power (continuous) at 25°C	3800 W
Output power (30 min) at 25°C	4400 W
Output power (5 sec) at 25°C	7000 W
Peak current	41 A
Output frequency	50 / 60 Hz selectable
Output voltage	120 / 240 Vac
Output wave form	True sine wave
Optimal efficiency	94%
Idle consumption search mode	<11 W
Input DC voltage range	40 - 68 Vdc
AC connections	Single / Split phase

### ELECTRICAL SPECIFICATIONS / CHARGER

Output current	45 A
Nominal output voltage	48 Vdc
Output voltage range	24 - 64 Vdc
Charge control	2 or 3 stage
Charge temperature compensation	Yes - BTS included
Optimal efficiency	92%
AC input power factor	> 0.98
Input current	12 A
Input AC voltage	120 / 240 Vac split phase
Input AC voltage range line to neutral	95 - 135 Vac single phase 170 - 270 Vac
Dead battery charge	Yes

### REGULATORY APPROVALS

Safety	c(CSA) us mark CSA C22.2, No. 107.1-01 UL1741 Ed.2
EMC	FCC Part 15 Class B

### CHARGE CONTROLLER / MPPT 60 150

Nominal Battery Voltage	12, 24, 36, 48, 60 V
Max. PV Array Voltage (operating)	140 V
Max. PV Array Open-Circuit Voltage	150 V (including temperature correction factor)



### GENERAL SPECIFICATIONS

Tare loss	27 W
Compatible battery types	FLA, Gel, AGM, Custom
Transfer relay rating	30 A
Transfer time	(AC to inverter and inverter to AC) <1 cycle (16.7 ms)
Optimal operating temperature range	-20°C to 60°C (-4°F to 140°F)
Storage ambient temperature range	-40°C to 85°C (-40°F to 185°F)
Humidity Operation / storage	< 95% RH, non condensing
Ingress protection	Indoor only, IP20
Altitude	(Operating) 2000 m (6562 ft)
System network and remote monitoring	Available