


Omega MPPT 3KW	Main Features
	<ul style="list-style-type: none"> • Intelligent Maximum Power Point Tracking technology increases efficiency 25% ~ 30%. • Compatible for PV systems in 12 V, 24 V or 48 V. • Three-stage charging optimizes battery performance. • Maximum charging current up to 60 A. • Maximum efficiency up to 98%. • Battery temperature sensor (BTS) automatically provides temperature compensation. • Support wide range of lead-acid batteries including wet, AGM, and gel batteries. • Multifunction LCD displays detailed information.

MODEL	Omega MPPT 3KW
INPUT	
MPPT Range @ Operating Voltage	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum PV Array Power	800 W or 1600 W or 3200 W
Maximum Current	50 A
OUTPUT	
Nominal Battery Voltage	12 V or 24 V or 48 V
Connected Battery Type	Sealed lead acid, vented, Gel, NiCd battery
Maximum Charging Current	60 A
Maximum Efficiency	98%
Charging Method	Three stages: bulk, absorption and floating
PROTECTION	
Overcharge Protection	Yes
Overload Protection	> 110%: audible alarm
Polarity Reversal Protection @ Solar Cell & Battery	Yes
INDICATORS	
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current and fault conditions
LED Display	Three indicators for solar, charging and load status
PHYSICAL	
Dimension, D x W x H (mm)	315 x 165 x 128
Net Weight (kg)	4.5
IP Protection	IP 31
ENVIRONMENT	
Humidity	5 ~ 95% RH (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C
Altitude	0 ~ 3000 m

Product specifications are subject to change without further notice.

