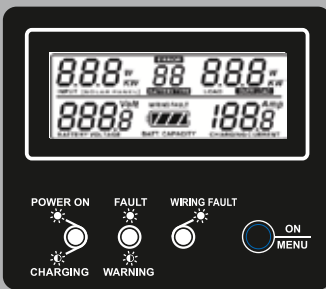


IKMAXX™ Series



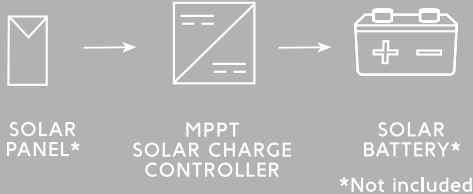
IKMAXX™ Series



IKMAXX™ Series – XUNZEL XUNZEL MPPT Off-Grid PV Solar Charge Controller for 12/24/48V battery banks

Product Overview

- Advanced Multi-stage Solar Charge Controller
- With integrated Intelligent Maximum Power Point Tracking (MPPT) technology
- Ideal for Off-Grid Photovoltaic (PV) battery charging systems up to 3200W
- Automatic battery bank voltage detection 12V / 24V / 48V
- Three-stage charging (Bulk – Absorption – Float. Equalization by software. Optional)
- Battery type: AGM/GEL, Flooded and Customized
- Maximum charging current up to 60A
- Wide PV voltage operation range. Maximum 145VDC
- Easy-to-use and Fully Programmable
- Built-in LCD display shows Real-time data and Status information
- Three Indicator LEDs for solar, charging and load status
- External Battery Voltage Sensor Included
- Excellent thermal design and natural air cooling
- Full Protection: Transient surge, Overcharge, Over-temperature and Reverse Polarity Protection for solar panel and battery
- Remote Temperature Sensor Included (BTS-IKMAXX™)
- Parallel Operation Possible (Optional with PK-IKMAXX™ kit)
- Ideal for powerful Off-Grid and Off-Shore Solar PV applications: Rural Electrification, Telecom and CATV, Traffic, Agricultural, Marine and Caravan, Cathodic Protection, Professional Installations....



Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications



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IKMAXX™ Series

Specifications

MODEL	IKMAXX-3KW
INPUT	
MPPT Range @ Operating Voltage	60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage Voc	145VDC
Maximum PV Array Power	800W@12V / 1600W@24V / 3200W@48V
Maximum Current	50A
OUTPUT	
Nominal Battery Voltage	12VDC / 24VDC / 48VDC (automatic detection)
Battery Type	AGM/GEL . Flooded and Customized
Maximum Charging Current	60A
Charging Method	Three-stage: Bulk – Absorption – Float (+ Equalization by software)
Temperature Compensation (with BTS-IKMAXX™)	-5mV/°C/cell
PROTECTIONS	
Overload Protection	>110%: audible alarm
Overcharge Protection	Yes
Polarity Reversal Protection @ Solar Panel & 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	
Dimensions, D x W x H	315 x 165 x 128 mm
Net Weight	4.5kg
Type of Mechanical Protection	IP31
Terminals	2.5 ~ 35 mm ²
Grounding	Independent grounding terminal
ENVIRONMENT	
Humidity	5 ~ 95% HR (Non condensing)
Operating Temperature	De 0°C a 55°C
Storage Temperature	De -15°C a 60°C
Altitude	0 ~ 3000m

XU-2201216-AH



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