

EnerSolis Series Off-Grid Photovoltaic Charger

Buck-1000W/Buck-1500W



- Universal for 12,24,36 and 48 Battery System
- Board Input Range for Various PV Modules
- Integrated MPPT Technology
- Three-Stage Fast Charge
- Operates in Harsh Ambient Temperatures
- LCD/LED Operational Interface



Specifications

Model	Buck-1000W	Buck-1500W	
Input	Voltage	40V~120V	
	MPPT Range / Operating Voltage	40~120V @ 12Vbat	
		40~120V @ 24Vbat	
		50~120V @ 36Vbat	
		60~120V @ 48Vbat	
Output	Current(Max.)	25A	35A
	Max. PV Array Open Circuit Voltage	150Vdc	
	Nominal Battery Voltage	12/24/36/48Vdc	
	Max. Charger/Output Current	40A	60A
	Max. PV Array Power	1000W	1500W
Charge mode	Ripple Voltage	<±1V	
	Max. Efficiency	95%	
Display	Charge mode	Bulk/Pulse/Float1/Float2 or Bulk/Float1/Float2	
	Status on LCD	Solar Cell Input Voltage / Solar Cell Input Current/Solar Cell Input Power / Bat. Voltage /Bat. Current /Bat. Ampere-hours/ IGBT temperature /Bat. temperature/Voltage setting table, etc.	
Protection	Status on LED	Normal/Fault/PV Low	
	Overload	>110% shutdown	>105% shutdown
	Short Circuit at load side	Output current>60A shutdown	
	Solar Cell Polarity Error Protection	Yes	
	Battery Temperature Compensation(Optional)	(-3.3mV/□/cell)	
Alarms	Standby Power Consumption	0W	
	Total Power Consumption while operating	3.5W	
	Visible	Fault, PV Low, Bat. Abnormal, etc.	
Physicals Characteristics	Mechanical Dimensions WxHxDmm	165x330x85mm	
	Input/Output Connectors	Hardwire(Terminal Block)	
	Enclosure Type	IP20	
	Net Weight(Kgs)	3.2	
Environment	Operating Temperature	-20°C to +60°C	
	Storage Temperature	-40°C to +85°C	
	Altitude	0-2000M up to 60□; 0~3000M up to 55□	
	Humidity	100% RH Maximum, No Condensing	
Interface Computer	Type	Standard RS232	
Compliance	Quality	ISO9001	
	Standard EMC	EN61000-6-1, EN61000-6-3	
	Marking	CE	
Patent Pending	Patent No.	Taiwan: 97147246	
		China: 200810180491.7	
		USA: 12/273,669	

* Specifications subject to change without notice.

** Depending on the model and voltage, please contact Ablerex for more information.

*** The same technical specification may be sold in different countries under different model names, please consult Ablerex for more information.

