

Enphase IQ Load Controller



The **Enphase IQ Load Controller**, when used in conjunction with the IQ System Controller, enables control of up to 2 loads running 240VAC L-L or shedding of up to 2 solar circuits when operating in an off-grid mode with the Enphase energy management system.

The IQ Load Controller can also be used for controlling 4 loads running 120VAC L-L.

Up to 2 IQ Load Controllers can be integrated with each IQ System Controller on a site.

Powerful

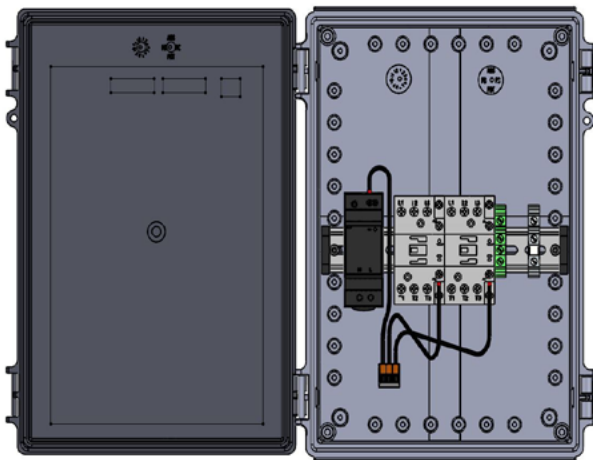
- Control up to 2, 36A resistive loads or 3HP/25A inductive loads running at 240VAC or 4 loads running at 120VAC
- Shed up to 2 excess IQ6, IQ7, M215 or M250 solar branch circuits (up to 32A each) to maintain Solar-To-Storage ratio when off-grid
- Prioritize essential appliances during a grid outage to optimize energy consumption and prolong battery life
- Choose from three load control modes for flexibility or manually control loads from the Enphase App

Simple

- A complete solution for use with the IQ System Controller's load control feature
- DIN rail mounted components enable easy installation and servicing
- Easy configuration via Enphase Installer App

Reliable

- Designed for indoor or outdoor installations
- 5 years warranty
- Durable NEMA 4X Enclosure



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EP-NA-LK02-040	IQ Load Controller for use with IQ System Controller's auxiliary contacts to shed non-essential loads or M-series, IQ series microinverters	
INPUT DATA		
DC Power Supply input voltage	120Vac	
DC Power Supply input Current rating	12A	
CAPACITY		
Total loads controlled	2 loads running at 240Vac or 4 loads at 120Vac	
Max load controlled	36A resistive, 25A inductive for dedicated loads, 32A resistive for branch circuits with 2 or more loads	
MECHANICAL DATA		
Ambient temperature range	-25 to 40 °C	
Dimensions (WxHxD)	12.58 x 14.58 x 5.96 (in)	
Weight	6.61 (lbs)	
Cooling	Natural Convection	
Enclosure	Outdoor, NEMA type 4X, polycarbonate construction	
WIRE SIZES		
Contactor	<ul style="list-style-type: none">Line/Load power terminalsContactor A1/A2 control terminals	14-8AWG 18-16AWG
Power Supply	<ul style="list-style-type: none">120V L-N input terminals120V V+/V- output terminals	14-12AWG 18-16AWG
Ground terminal block		24-6AWG
Neutral terminal block		24-6AWG
COMPLIANCE		
Compliance	UL1741	
WARRANTY		
Limited Warranty	5 years	

To learn more about Enphase offerings, visit enphase.com