



# XLC60 / XLC90

Load Controller (60A / 90A)

UL 508A  
UL 1077  
UL / CSA Listed Contactor  
UL Listed Control Transformer  
CE Marked Components  
FCC Part 15  
RoHS Compliant Components  
NEMA 4X / NEMA 6  
IP66 / IP67  
FCC ID: 2ABCB-RP13BP  
47 CFR § 15.247  
47 CFR § 2.1091

## Electrical Specifications

System Voltage	480 VAC, 3-Phase
Control Voltage	24 VAC
Load Switching	3-pole mechanical contactor
Control Path	Wireless Mesh > PCB > Contactor Coil

## Enclosure

Material	Non-metallic (ABS/Polycarbonate blend)
Rating	NEMA 4X / NEMA 6
Ingress Protection	IP66 / IP67
Mounting	Wall-Mount
Cutouts	(2) 1" circular
Dimensions	<b>XLC60:</b> 190 mm x 280 mm x 140 mm <b>XLC90:</b> 280 mm x 380 mm x 130 mm

## Safety / Protection

Breaker Current Rating	<b>XLC60:</b> 63 A <b>XLC90:</b> 100 A
Breaker Voltage Rating	480 VAC
Breaker Poles	3-pole
Breaker Fault Capability	5 kA
Breaker Trip Curve	C-Curve
Breaker Terminals	Copper only
Breaker Standard	UL1077
Contactor Current Rating	<b>XLC60:</b> 40 A <b>XLC90:</b> 60 A
Contactor Voltage Rating	480 VAC
Contactor Poles	3-pole
Contactor Coil Voltage	24 VAC
Contactor Frequency	50/60Hz
Contactor Approvals	UL / CSA / CE

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Control Power	
Transformer VA Rating	50 VA
Transformer Primary	120 / 208 / 240 / 277 / 480 VAC
Transformer Secondary	24 VAC
Transformer Certifications	UL File No.: E197146, CE
PCB Power Supply Input	24 VAC
PCB Power Supply Output	5 V Regulated

PCB (CPU)	
SoC & CPU	Broadcom BCM2837B0, Cortex-A53 64-bit, quad-core, 1.4 GHz
Memory	1 GB LPDDR2
Wireless LAN	Dual-band 2.4 GHz & 5 GHz IEEE 802.11 b/g/n/ac
Bluetooth	Bluetooth 4.2 / BLE
Ethernet	Gigabit Ethernet over USB 2.0 (maximum throughput ~300 Mbps)
USB	4 x USB 2.0
HDMI	1 x full-size HDMI
Storage	Micro-SD
GPIO Header	40-pin
Power Input	5 V DC (Micro-USB), 5 V via GPIO: PoW ready (with HAT)
Operating Temperature	0 °C to 50 °C
Dimensions	~85.6 mm x 56 mm

PCB (Power Supply)	
Voltage Rating	24 V DC
Wire Type	18 AWG (2 conductor)
GPIO Header	40-pin (female header)
Dimensions	63.8 mm x 55.8 mm x 19 mm