

SPAN

SPAN[®] Panel MAIN 40

Model number: PL7R-40MID200-FG

Circuit-level monitoring
and control

Cost saving home
energy insights

Flexible backup when paired
with battery storage



Electrical

- Revenue-accurate energy monitoring
- 100-200A Main Breaker with built in Microgrid Interconnection Device (MID)¹
- 225A busbar rating

Installation

- Indoor and outdoor-rated
- Surface or semi-flush mounted
- Compatible with standard 1" breakers

Connectivity

- Ethernet, WiFi, cellular
- Free over-the-air updates

Battery storage integrations

- Tesla Powerwall 3 (with Backup Switch, Backup Gateway 2, Backup Gateway 3)
- FranklinWH aPower aPower 1, aPower 2 (with aGate, aGate v1.3)

More control. More power.

SPAN goes beyond monitoring with the SPAN Home App[®] for real-time control and energy insights to bring your home's energy to life.

Combined with battery storage, SPAN gives homeowners the power to choose and change backup priorities whenever they want.

IMPORTANT: Commissioning must be performed by a SPAN Authorized Installer.

NOTE: SPAN Panel MAIN 32 is not compatible in a multi-panel configuration with SPAN Panel MAIN 40. SPAN Panel MAIN 32 is only compatible in a multi-panel configuration with additional SPAN Panel MAIN 32s.

Specifications

Performance & Mechanical

Grid Connection	Single phase	Operating Temperature	-22 to 122°F (-30 to 50°C) ⁴
Grid Frequency	60Hz	Operating Humidity (RH)	0-100%
Busbar Rating	225A	Maximum Elevation	3000m ⁴
Controllable Circuit Spaces (up to)	40 ¹	Environment	Indoor, outdoor
Feed-Thru Lugs	Yes		
Energy Management System	SPAN PowerUp™ with Firm Service Rating and Backup Overload Protection		
AC Metering	Revenue accurate +/- 0.5% on mains + all branch circuits		
Breaker Compatibility	SquareD, Siemens, Eaton, and GE		
Enclosure Rating	NEMA 3R		
Max Branch Circuit Size	100A DP		
Mounting Style	Surface or semi-flush mount		
AC Voltage (Nominal)	120 / 240V or 120 / 208V, L-L		
Main Overcurrent Protection Device	Max 200A Main Breaker ²		
Maximum Input Short Circuit Current	22kA ³		
Enclosure Dimensions	46.0 x 14.3 x 6.5 in (H x W x D)		
Weight	109 lb (49.5 kg)		
(enclosure no door or deadfront)	25 lb (11.3 kg)		
(Panelboard)	41 lb (18.6 kg)		
Connectivity	Ethernet, Wifi (2.5, 5 GHz) (Secondary: Cellular (4G / LTE))		
Warranty	SPAN Panel: 10 years; SPAN Home Gateway: 5 years		

Accessories

Included	(1) SPAN Main Breaker (200A), (1) SPAN Neutral Lug Kit, (2) SPAN Ground Bars
Accessories for sale	SPAN Flush Mount Trim Kit, SPAN Current Transformer (CT) Kit, Additional SPAN Ground Bars ⁵ , Additional SPAN Neutral Lug Kits ⁵

Compliance

Certifications	UL 67, UL 916, UL 869A, UL 3141 [PCS]
Emissions	FCC Part 15 Class B
Other	NEC compliant listed Power Control System (PCS) for load management

1 - Compatible with tandem/quad style breakers at all positions. Monitoring and control is combined when used.
 2 - Service Entrance Rated when main breaker installed.
 3 - 22 kA RMS symmetrical when installed with specific main breaker and branch circuit combinations.
 4 - Panels installed above 2000m must be installed in ambient temperatures less than 104°F (40°C).
 5 - SPAN always recommends using the proprietary SPAN accessory version to ensure compatibility.